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General Education

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on General Education

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics
Julie A. Buckler, Professor of Slavic Languages and Literatures
Scott V. Edwards, Professor of Organismic and Evolutionary Biology
Florian Engert, Professor of Molecular and Cellular Biology
Edward J. Hall, Professor of Philosophy
John Huth, Donner Professor of Science
Steven R. Levitsky, Professor of Government
Michael J. Puett, Professor of Chinese History

As part of the Harvard College Curricular Review, the Faculty of Arts and Sciences voted to replace the existing, thirty-year-old Core Curriculum requirements with a new Program in General Education in order to align these requirements with the educational needs of Harvard College students at the dawn of the twenty-first century. In contrast with the Core Curriculum, which required that students be exposed to a number of different "ways of knowing," the new Program seeks explicitly to "connect a student's liberal education - that is, an education conducted in a spirit of free inquiry, rewarding in its own right - to life beyond college." In addition, the new Program in General Education seeks to provide new opportunities for students to learn - and faculty to teach - in ways that cut across traditional departmental and intra-University lines.

The new Program requires that students pass one letter-graded half-course in each of eight categories: Aesthetic and Interpretive Understanding; Culture and Belief; Empirical and Mathematical Reasoning; Ethical Reasoning; Science of Living Systems; Science of the Physical Universe; Societies of the World; United States in the World. One of the eight courses must also engage significantly with study of the past (these courses are identified in the "Note" field of each catalog entry).

Students in the Class of 2013 enter the College under the new General Education requirements. Other students are permitted to switch to the new Program if it fits with their overall curricular plan. All courses that count for General Education also receive a Core designation and thus count for either program.

For the most up-to-date listing of General Education course offerings, please see the on-line



version of *Courses of Instruction*, as well as the website
www.generaleducation.fas.harvard.edu).

Aesthetic and Interpretive Understanding

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in the Aesthetic and Interpretive Understanding category focus on the development of aesthetic responsiveness and the ability to interpret forms of cultural expression through the study of literary or religious texts, paintings, sculpture, architecture, music, film, dance, decorative arts, etc. Students learn to engage intelligently and critically with the world of art, literature, and ideas by analyzing works in a theoretical framework.

Aesthetic and Interpretive Understanding

Aesthetic and Interpretive Understanding 11. Poetry Without Borders

Catalog Number: 0416

Stephanie Sandler (Slavic Languages and Literatures)

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Studies poetry as a cultural practice that requires and perversely challenges visual, linguistic, geographic, and aesthetic borders. Main topics are translation (poems crossing borders), emigration/exile (poets crossing borders), and poetry and other arts (poems joining with music, film, photography, and philosophy). Poems and prose by Bernstein, Bei Dao, Brodsky, Grünbein, Howe, Kaminsky, Nabokov, Sebald, and Wright, among others; theoretical texts, sound recordings, visual images, films, and poetry performances. Frequent short written work. *Note:* Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Aesthetic and Interpretive Understanding 12. Poetry in America

Catalog Number: 0748

Elisa New (English)

Half course (spring term). M., W., 1-2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Surveying 300+ years of poetry in America, from the Puritans to the avant-garde poets of this new century, the course covers individual figures (Poe, Whitman, Dickinson, Frost, Williams, Hughes), major poetic movements (Firesides, Modernist, New York, Confessional, L-A-N-G-U-A-G-E) and probes uses of poetry across changing times. Who, and what, are poems for? For poets? Readers? To give vent to the soul? To paint or sculpt with words? Alter consciousness? Raise cultural tone? Students will read, write about and also recite American poems.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Aesthetic and Interpretive Understanding 13 (formerly Spanish 180). Cultural Agents]

Catalog Number: 0460

Doris Sommer (Romance Languages and Literatures)



Half course (spring term). M., 3–5.

Explore the arts as social resources! Starting with a "Cultural Agents Fair" to meet local change artists as possible partners for collaborative projects (on mayors, music, murals, mimes, etc.), students will consider how defamiliarization and the counterfactual make change thinkable. Then we will track how aesthetic effects and side-effects can promote social change. Theoretical readings (Schiller, Kant, Dewey, Freire, Gramsci, Rancière, Mockus, Boal, García-Canclini, inter alia) are grounded in concrete cases of agency.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Aesthetic and Interpretive Understanding 14. (formerly Literature and Arts C-56). Putting Modernism Together

Catalog Number: 7613

Daniel Albright (English)

Half course (fall term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

Just as a pine or a willow is known from the shape of its branching, so human culture can be understood as a growth-pattern, a ramifying of artistic, intellectual, and political action. This course tries to find the center of the Modernist movement (1872-1927) by studying the literature, music, and painting of the period, to see whether some congruence of effort in all these media can be found. By looking at the range of artistic production in a few key years, we come to know this age of aesthetic extremism, perhaps unparalleled in Western history.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Aesthetic and Interpretive Understanding 15 (formerly English 34). Elements of Rhetoric]

Catalog Number: 3820 Enrollment: Limited to 100.

James Engell (English)

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged.

Classical rhetorical theory, as originating with Aristotle, in contemporary applications. The nature of rhetoric in modern culture; practical examples drawn from American history and literature 1765 to present; written exercises and attention to public speaking; briefly treats the history and educational importance of rhetoric in the West; stresses theory and practice as inseparable; non-concentrators encouraged.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Aesthetic and Interpretive Understanding 16. Openings: The Illuminated Manuscript - (New Course)

Catalog Number: 30214

Jeffrey F. Hamburger (History of Art and Architecture)

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

In an age of mechanical – and now virtual – reproduction, we have lost sight of the basic visual unit that structures our experience of the book: the opening. Employing old and new technologies, this course focuses on medieval books, their decoration and their readers in the Middle Ages (ca.



300–1500), when the book as we have known it, along with allied institutions, such as the university itself, first came into being.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

**Aesthetic and Interpretive Understanding 17 (formerly Literature and Arts B-78).
Soundscapes: Exploring Music in a Changing World**

Catalog Number: 2093

Kay Kaufman Shelemay (Music)

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

Many musical traditions at the turn of the 21st century cross geographic boundaries. Nowhere are diverse music traditions more prominently represented in public performance and maintained in private practice than in North America, where centuries of immigration and an increasingly multiethnic population have given rise to a complex musical environment. “Soundscapes” explores a cross-section of the different musical styles that coexist and interact in today’s society, examining their relationship to their historical homelands and to their present-day settings.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Aesthetic and Interpretive Understanding or Culture and Belief, but not both. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Aesthetic and Interpretive Understanding 18 (formerly Literature 10). Writing Across Cultures: Literatures of the World (to 1750)

Catalog Number: 9074

Stephen Owen (Literature and Comparative Literature) and David Damrosch (Literature and Comparative Literature)

Half course (fall term). Tu., Th., 11:30-1, and a weekly section to be arranged. EXAM GROUP: 13, 14

An overview of world literatures from the earliest texts to the Enlightenment, treating multi-ethnic classical literatures (Greek, Latin, Sanskrit, Chinese, Arabic), the formation of ethnic vernacular literatures, and zones in which literary cultures met. Through lectures and close reading of selected texts, we will examine how cultural identity was constructed and continuously reconstructed in literature. We will observe how and why canons are retrospectively created, including the canon of “world literature,” now in the process of formation.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Aesthetic and Interpretive Understanding 19 (formerly Literature 11). Writing Across Cultures: Literatures of the World (from 1750 to the present)

Catalog Number: 4361

David Damrosch (Literature and Comparative Literature)

Half course (spring term). M., W., 1-2:30, and a weekly section to be arranged. EXAM GROUP:



6, 7

An overview of world literature in the modern period through a series of international styles and literary and social movements. Reading imaginative texts from around the world, we will examine the interplay of local, national, regional, and global languages, literatures, and cultures, exploring the ways writers have responded to the tensions and the opportunities of an emerging modernity.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Aesthetic and Interpretive Understanding 21 (formerly Literature and Arts A-51). Virgil: Poetry and Reception]

Catalog Number: 1565

Richard F. Thomas (The Classics)

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged.

Begins with the *Aeneid*, paradigmatic epic of the West, from various perspectives, involving literary aesthetics and translation theory, Homeric and other intertextuality, concepts of heroism and anti-heroism, individual choice vs. public responsibility, critique of empire then, now, and in between. Concurrent attention to Virgil tradition in early Christianity, Dante, Milton, Dryden, the Romantics, post-WWI Modernists; influence on music, art, and iconography. Subsequent focus on the *Eclogues* and *Georgics*, their place in the traditions of European pastoral and didactic, status as works of early Augustan poetry, and reception from Petrarch to Heaney.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Aesthetic and Interpretive Understanding 26 (formerly Studies of Women, Gender, and Sexuality 1133). Gender and Performance

Catalog Number: 8829

Robin M. Bernstein (Studies of Women, Gender, and Sexuality)

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Introduction to performance studies as it intersects with studies of gender, sexuality, and race.

What does it mean to say gender is “performed”? How does performance – both on- and offstage – construct and deconstruct power? Topics include transgressive and normative gender, athletics, feminist and queer theatre, gender in everyday life, American Girl Dolls, drag, AIDS, and weddings. Texts include Eve Ensler, Ntozake Shange, Judith Butler, Anna Deavere Smith, Cherrie Moraga, David Henry Hwang, Bertolt Brecht, Guillermo Gómez-Peña.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Aesthetic and Interpretive Understanding 27 (formerly Literature and Arts A-17). Childhood: Its History, Philosophy, and Literature

Catalog Number: 4852 Enrollment: Limited to 200.

Maria Tatar (Germanic Languages and Literatures and Folklore and Mythology)

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP:

15



With the so-called discovery or invention of childhood in the 16th and 17th centuries came a newfound emotional attachment, imaginative investment, and philosophical interest in the child. We explore literature for the child (*Alice in Wonderland*) as well as literature about the child (*Lolita*) and investigate how childhood has been constructed, investigated, and represented. Analysis of works by Locke, Rousseau, and Freud, as well as Dickens, J. M. Barrie, Henry James, and Roald Dahl.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for either Aesthetic and Interpretive Understanding or Culture and Belief, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Aesthetic and Interpretive Understanding 28. Theater, Dream, Shakespeare - (New Course)

Catalog Number: 86433

Marjorie Garber (English) and Diane Paulus (English)

Half course (fall term). Tu., 2-4, and a weekly section to be arranged. EXAM GROUP: 16, 17

This course considers theories of dream and theater from Shakespeare's time to the modern era. We will also read three Shakespearean dream plays – *A Midsummer Night's Dream*, *Macbeth*, and *The Winter's Tale* – in immediate conjunction with the ART fall season of productions based on those plays. We will ask how concepts like source, adaptation, translation, and performance function in theater as well as in dream, and examine how such concepts apply to Shakespeare.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Aesthetic and Interpretive Understanding 33 (formerly Classical Studies 154). Ancient Fictions: The Ancient Novel in Context

Catalog Number: 7862

David F. Elmer (The Classics)

Half course (fall term). M., W., (F.), at 1;. EXAM GROUP: 6

Did the Greeks and Romans read novels? Fictional prose narratives about adventure and romance in exotic lands were immensely popular in antiquity. We will explore this tradition by reading the five surviving Greek novels, the *Golden Ass* of the Roman Apuleius, and selected other texts, along with works by contemporary theorists and critics. Topics include: definitions of the "novel"; ancient representations of desire; gender and class politics; relationships between secular and religious narratives.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Aesthetic and Interpretive Understanding 34. The Art of Interpretation - (New Course)

Catalog Number: 75613

Julie A. Buckler (Slavic Languages and Literatures)

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Explores the practices and procedures of interpretation for verbal, visual, and performance arts. Is interpretation of an artwork equivalent to its object, with all meaning made legible, translated



from artistic discourse into “plain” language? Does interpretation add content to an artwork? Is interpretation in the humanities a technique? An art? An act? What are its aims? What are the relevant interpretive contexts for a given artwork? How can we determine whether an interpretation is valid?

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Aesthetic and Interpretive Understanding 35. Korea Indigenous

Catalog Number: 8798

David McCann (East Asian Languages and Civilizations)

Half course (spring term). M., W., 10 and a weekly section to be arranged. EXAM GROUP: 3

This course starts with Korea’s self-presentation through the Korea Wave, then turns to the features of twentieth century *modernity*. The third part examines historical case studies in cultural survival. Korea Indigenous pursues two modes of study, academic and aesthetic: the study of texts, pictures and other formulations of Korean identities, through discussions and writing; and the creation of the aesthetic, for example through writing poems in the Korean *sijo* form.

Note: This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Aesthetic and Interpretive Understanding 37. Introduction to the Bible in the Humanities and the Arts - (New Course)

Catalog Number: 92966

Gordon Teskey (English)

Half course (fall term). M., W., at 11. EXAM GROUP: 4

A course on the structure of the Bible, which William Blake called “the great code of art.” Major themes include the invention of God, the invention history, and the invention of the city (or rather, of two cities, that of the devil and that of God). About two-thirds of the Authorized Version (King James) of 1611 will be read.

Note: The course does not count for the English concentration pre-1800 requirement. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Cross-listed courses that satisfy the Aesthetic and Interpretive Understanding requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

Chinese Literature 150. Old Tales in New Media: The Appropriation of Folklore in Modern and Contemporary China

Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

Culture and Belief 18. Enlightenments and their Literary Discontents - (New Course)

Culture and Belief 28. Hindu Worlds of Art and Culture - (New Course)

English 121. Shakespeare After Hamlet

English 128. Theater, Dream, Shakespeare - (New Course)



[English 154. Literature and Sexuality](#)
[English 156. Crime and Horror in Victorian Literature and Culture](#)
[English 159. The Reflection of Reality: Novels of the 19th and 20th-Century](#)
[English 165. Proust, Joyce, Woolf: Aestheticism and Modernism](#)
[English 192. Political Theatre and the Structure of Drama - \(New Course\)](#)
[Foreign Cultures 67. Popular Culture in Modern China](#)
[Foreign Cultures 94. Buddhism and Japanese Culture](#)
 [French 132b. 20th-Century French Fiction II: The Experimental Model]
[History of Art and Architecture 1. Landmarks of World Art & Architecture](#)
[History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance](#)
[History of Art and Architecture 172w. American Art and Modernity, 1865–1965](#)
 [*Humanities 10. An Introductory Humanities Colloquium]
 [Literature and Arts A-22. Poems, Poets, Poetry]
[Literature and Arts A-48. Moral Imagination in Modern Jewish Literature](#)
[Literature and Arts A-64. American Literature and the American Environment](#)
 [Literature and Arts A-88. Interracial Literature]
[Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists](#)
[Literature and Arts B-51. First Nights: Five Performance Premieres](#)
[Literature and Arts B-85. American Musicals and American Culture](#)
[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde](#)
 [Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]
[Medieval Studies 107. Authority and Invention: Medieval Art and Architecture](#)
[Music 1a. Introduction to Western Music from the Middle Ages to Mozart](#)
[Music 1b. Introduction to Western Music from Beethoven to the Present](#)
[Music 2. Foundations of Tonal Music I](#)
 [Scandinavian 150 (formerly Scandinavian 80). The Vikings and the Nordic Heroic Tradition]
[Slavic 148. Strange Russian Writers](#)

Culture and Belief

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The aim of courses in the Culture and Belief category is to develop an understanding of and appreciation for the ways that social, political, religious, economic, and historical conditions shape the production and reception of ideas and works of art, either within or across cultural boundaries. Students in these courses examine how cultures and beliefs affect the identities of individuals and communities. Courses in this category draw connections between the material covered in the course and cultural issues of current concern or interest.

Culture and Belief

[Culture and Belief 11. Medicine and the Body in East Asia and in Europe](#)

Catalog Number: 8736

Shigehisa Kuriyama (*East Asian Languages and Civilizations*)



Half course (fall term). M., W., at 11, and a 90-minute weekly section to be arranged. EXAM GROUP: 4

Comparative historical exploration of the striking differences and unexpected similarities between traditional conceptions of the body in East Asian and European medicine; the evolution of beliefs within medical traditions; the relationship between traditional medicine and contemporary experience.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

Catalog Number: 7027

Ali S. Asani (The Study of Religion)

Half course (spring term). Tu., Th., 11:30-1, and a weekly section to be arranged. EXAM GROUP: 13, 14

The course surveys the literary and artistic dimensions of the devotional life of the world's Muslim communities, focusing on the role of literature and the arts (poetry, music, architecture, calligraphy, etc.) as expressions of piety and socio-political critique. An important aim of the course is to explore the relationships between religion, literature, and the arts in a variety of historical and cultural contexts in the Middle East, sub-Saharan Africa, South Asia, Europe, and America.

Note: Expected to be omitted in 2010–11. No prior knowledge of Islam required. Offered jointly with the Divinity School as 3627. This course, when taken for a letter grade, meets the General Education requirement for either Culture and Belief or Aesthetic and Interpretive Understanding, but not both. This course, when taken for a letter grade meets the Core area requirement for Foreign Cultures or Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Culture and Belief 13. The Contested Bible: The Sacred-Secular Dance]

Catalog Number: 9458

Jay M. Harris (Near Eastern Languages and Civilizations)

Half course (spring term). M., W., F., at 10, and a weekly section to be arranged.

A short history of the Bible. Questions addressed include how the Bible became a book, and how that book became sacred; the advantages and burdens of a sacred text; Jewish-Christian disputations; how interpretive efforts helped create and reinforce powerful elites; how that text became the object of criticism; and how the Bible fared after the rise of criticism.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Culture and Belief 14. Human Being and the Sacred in the History of the West]

Catalog Number: 4605

Sean D. Kelly (Philosophy)

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13



What stand should we take on our lives, our activity, and who we are to be? Traditionally religion has guided us, but many argue that in our secular age it can no longer play that role. We approach these questions by considering the history of the understanding of human being and the sacred in the West. Readings chosen from among Homer, the Bible, Aeschylus, Virgil, Augustine, Dante, Luther, Shakespeare, Milton, Pascal, Nietzsche, Melville, and others.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Culture and Belief 15. The Presence of the Past]

Catalog Number: 7544

Julie A. Buckler (Slavic Languages and Literature)

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged.

Explores how material artifacts and physical markers of the past help create contemporary cultural landscapes and how societies variously construct and employ “a usable past.” Examples from United States, post-Soviet sphere, Europe and postcolonial states illustrate the workings of cultural politics, collective memory, museums, monuments, memorials, souvenirs, memorabilia, and commemorative practices. Literary texts, artworks, and film suggest diverse cultural meanings of the past as presence.

Note: Expected to be given in 2011–12. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology

Catalog Number: 6753

Stephen A. Mitchell (Folklore and Mythology)

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Examines major forms of folklore (e.g., myths, legends, epics, beliefs, rituals, festivals) and the theoretical approaches used in their study. Analyzes how folklore shapes national, regional, and ethnic identities, as well as daily life; considers the function of folklore within the groups that perform and use it, employing materials drawn from a wide range of areas (e.g., South Slavic oral epics, American occupational lore, Northern European ballads, witchcraft in Africa and America, Cajun Mardi Gras).

Note: Required of Concentrators and for the Secondary Field in Folklore and Mythology. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Culture and Belief 17 (formerly Historical Studies B-06). Institutional Violence and Public Spectacle: The Case of the Roman Games]

Catalog Number: 2603

Kathleen M. Coleman (The Classics)

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged.

Gladiatorial combat, beast fights, staged hunts, mock naval battles, and exposure of criminals to wild animals were defining features of the culture of ancient Rome. Examining texts and images



from across the Roman world, this course seeks to identify and probe the values, attitudes, and social, political, and economic factors that contributed to the popularity of institutionalized violence as public entertainment for six hundred years from the Punic Wars until the Christianization of the Empire.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core requirement for Historical Study B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 18. Enlightenments and their Literary Discontents - (New Course)

Catalog Number: 88601 Enrollment: Limited to 72.

James Simpson (English)

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

What is the function of literary texts in moments, from Plato to the Russian Revolution, that promise total, enlightened societal transformation? A hypothesis: literary texts do not participate easily in the new order. Literary texts are more divided in their sympathies; they recognize the value of the past order; they reveal the ways in which the repressed past resurfaces. They resist the textual simplicities of philosophy. Which do we believe: philosophy, or literature?

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or Aesthetic and Interpretive Understanding, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

[Culture and Belief 20 (formerly Historical Study A-27). Reason and Faith in the West]

Catalog Number: 8149

Ann M. Blair

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged.

Examines from an historical perspective one of the central themes in the Western intellectual tradition: the desire to reconcile rational philosophy with religious and biblical authority. Discusses the transformations in conceptions of reason, science, biblical interpretation, and divine intervention (among other themes) in the context of the long period of change from medieval to modern. Readings emphasize primary sources—including, for example, Augustine, Aquinas, Galileo, Descartes, Newton, and Darwin.

Note: Expected to be given in 2010–11. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Culture and Belief 21 (formerly Foreign Cultures 93). Pathways through the Andes—Culture, History, and Beliefs in Andean South America

Catalog Number: 2073

Gary Urton (Anthropology) and Thomas B. F. Cummins (History of Art and Architecture)

Half course (spring term). Tu., Th., 1-2:30, and a weekly section to be arranged. EXAM GROUP: 15, 16

This course explores the arts and cultures of Andean South America from the Pre-Columbian through Colonial periods. Emphasis is on the place of objects - textiles, ceramics, sculptures, and



books - in the construction of meanings, identities and values as these changed over time. Readings are drawn from archaeology, ethnohistory, ethnology, art history and original sources. Students will work with Pre-Columbian and Colonial Andean artifacts in the collections of the Peabody Museum.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Culture and Belief or Societies of the World, but not both. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 22. The Heroic and the Anti-Heroic in Classical Greek Civilization

Catalog Number: 3915

Gregory Nagy (The Classics)

Half course (fall term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

The readings, all in English translation, are the Homeric Iliad and Odyssey, seven tragedies (Aeschylus' Oresteia Trilogy, Sophocles' two Oedipus dramas, and Euripides' Hippolytus and The Bacchic Women), and two dialogues of Plato (the Apology and the Phaedo, both centering on the last days of Socrates); also, selections from the New Testament, especially from the Gospel according to Mark, and from the dialogue On Heroes by an eminent thinker in the "second sophistic" movement, Philostratus

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. Students who have taken Literature and Arts C-14 may not take this course for credit.

[Culture and Belief 24. Gregorian Chants] - (New Course)

Catalog Number: 24218

Thomas Forrest Kelly (Music)

Half course (spring term). Hours to be arranged.

A study of the intricate mechanisms of the medieval liturgy, and the beauty of its expression in song. The texts are those of Gregorian chant; students will learn to sing, memorize, teach, and compose chant, as was done in the early middle ages. The course will study the layers of development, stylistic, cultural, and theological, and will use the resources of the Houghton Library. No previous experience or ability to read music is expected.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 25 (formerly Religion 70). Studying Buddhism, Across Place and Time

Catalog Number: 1316

Janet Gyatso (The Study of Religion)

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

A critical introduction to key ideas, values, people and practices in Buddhist traditions. The course offers a chance to explore Buddhism's distinctive doctrines about human experience, to appreciate the richness of its disciplinary and meditative practices, and to read its best literary gems. It highlights the way that Buddhism shifted as it spread across Asia and adapted to new



cultural contexts, a process that still continues, now across the world. This allows us to study both the historical contributions of Buddhism to the philosophies and self-cultivation traditions of Asia, and the new ways it serves as a global human heritage today.

Note: Expected to be omitted in 2010–11. Offered jointly with the Divinity School as 3830. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 27 (formerly Jewish Studies 55). Text and Context: Jews and their Books in Pagan, Christian and Muslim Surroundings

Catalog Number: 2338

Rachel L. Greenblatt (Near Eastern Languages and Civilizations)

Half course (fall term). Tu., Th., at 10 and a weekly section to be arranged. EXAM GROUP: 12
 Can we trace an "authentic" Jewish identity through history, as distinct from many "cultures" of Jews in the multitude of times and places in which they have lived? This course provides an overview of major trends in Jewish civilization from biblical times through the early modern era (to approximately the seventeenth century), with this and related questions in mind, by engaging in close readings of traditional Jewish sources on the one hand and seeking contextual understandings of Jews and Judaism within various non-Jewish settings on the other.

Note: Required of all secondary concentrators in Jewish Studies, unless excused by the DUS. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 28. Hindu Worlds of Art and Culture - (New Course)

Catalog Number: 24091

Diana L. Eck (The Study of Religion)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An exploration of the narratives and arts of the Hindu tradition, considering the great gods – Vishnu, Krishna, Shiva, and Devi – that give expression to a profound vision of the world, the images through which the gods are envisioned, the temples and pilgrimage places where they are worshipped, and the rituals and festivals that are part of Hindu life. Readings include the Ramayana, the Bhagavad Gita, the Gita Govinda, the Shiva Purana, and the Devi Mahatmya.

Note: Students who have taken Literature and Arts C-18 may not take this course for credit. This course, when taken for a letter grade, meets the General Education requirement for either Culture and Belief or Aesthetic and Interpretive Understanding, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for either Literature and Arts C or Foreign Cultures, but not both.

[Culture and Belief 29 (formerly Humanities 12). “Strange Mutations”: Wonder, Faith, Skepticism, and Disbelief in Western Antiquity and the Renaissance]

Catalog Number: 9725

Christopher D. Johnson (Literature and Comparative Literature)

Half course (fall term). Hours to be arranged.

The course examines how foundational Western literary and philosophic texts represent the



nature, meaning, and limits of human existence. Focuses on diverse ways becoming and being human are represented in antiquity and then considers how these representations are transformed and combined in the Renaissance. Authors include Sappho, Homer, Plato, Ovid, Montaigne, Shakespeare, Cervantes, and Descartes. Close attention given to the literary and rhetorical aspects of the course readings.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 30. Photography and Society

Catalog Number: 5649

Robin E. Kelsey (History of Art and Architecture)

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Modern society is unthinkable without the photograph, and yet we rarely have occasion to ponder what photographs are, what they do, and how they do it. In this course, we will consider photography from its origins to the digital era, paying particular attention to its role as an engine of belief in various cultural domains. Our goal will be to understand more incisively how photographs define and shape relations between their subjects and their viewers.

Note: Expected to be omitted in 2010–11. Students who have taken Literature and Arts B-24 may not take this course for credit. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 31 (formerly Philosophy 19). Saints, Heretics, and Atheists: An Historical Introduction to the Philosophy of Religion

Catalog Number: 6837

Jeffrey K. McDonough (Philosophy)

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

An introduction to the history of intellectual reflection on religion and belief in the western tradition. We will read roughly a half dozen perennial works drawn from authors ranging from St. Augustine of Hippo to Friedrich Nietzsche. Along the way, we will think, discuss, and write about topics such as the nature of sin, the origin of evil, the attributes of God, the argument from design, and the relationship between religion and morality.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 32. Back Roads to Far Places: Literature of Journey and Quest - (New Course)

Catalog Number: 39198

Stephanie A. Paulsell (Divinity School) and William A. Graham, Jr. (NELC, The Study of Religion, Divinity School)

Half course (spring term). Tu., Th., at 9, and a section on Wednesday. EXAM GROUP: 11

Explores themes of journey and quest in world literature and the interplay between their literary and religious dimensions. Considers the relationship between physical and interior journeys, home and exile, and bewilderment and certainty. Emphasis will be on careful reading of, and



thoughtful essays on, texts such as Gilgamesh, the Bible, Quest of the Holy Grail, Walden, and works by Tolkien, Dante, Teresa of Avila, Ashvaghosha, Hesse, Basho, Endo, Charles Johnson, Virginia Wolfe, and Cormac McCarthy.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. Offered jointly with the Divinity School as 2490.

Culture and Belief 33. Introduction to the Study of East Asian Religions - (New Course)

Catalog Number: 34911

James Robson (East Asian Languages and Civilizations)

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

This course provides an introduction to the study of East Asian religions. It covers the development of Buddhism, Daoism, Confucianism and Shinto. It is not a comprehensive survey, but is designed around major conceptual themes, such as ritual, image veneration, mysticism, meditation, death, and category formation in the study of religion. The emphasis throughout the course is on the hermeneutic difficulties attendant upon the study of religion in general, and East Asian religions in particular.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Culture and Belief or Societies of the World, but not both. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. Offered jointly with the Divinity School as 3010. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 35. Classical Mythology - (New Course)

Catalog Number: 69871

Francesca Schironi (The Classics)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

The myths of the Greeks and Romans: creation myths, Greek gods, Greek heroes and Roman myths. Their relationship to the mythology of neighboring people (Hittites, Babylonians, Hebrews). Their importance for Greek and Roman societies and cultures. Their reception in literature and art from the ancient world to 21st century, and their importance as a foundation of our own modern culture and society. The course will be focused on the analysis of primary sources (read in translation) and works of art (literature, painting, sculpture, movies); ancient mythology will also be studied under the light of modern theories on mythology.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Culture and Belief 36. Religion and Its Future - (New Course)

Catalog Number: 98503

Francis Fiorenza (Divinity School) and Roberto Mangabeira Unger (Law School)

Half course (spring term). Tu., 1-3 and a weekly section to be arranged. EXAM GROUP: 15, 16

An attempt to grasp what has become, and can now become, of religion in general, and of Christianity in particular, both as a faith and as an inspiration to some of the transformative



political and cultural projects that have shaken the world up over the last two centuries. The course is not a survey or an introduction. It is a sustained philosophical and theological argument about the feasible and desirable transformation of our religious experience. Our central concern is to explore the distinctive character, the power, the limitations, and the future of the beliefs that lie at the core of Christianity (and, more generally, of the Near Eastern salvation religions) as well as of the secular beliefs most closely associated with them: the liberal and socialist ideologies of human emancipation and the worldwide popular romantic culture. We shall ask ourselves what could and should become of these beliefs, what could and should be the next revolution in the religious affairs of humanity. As we address the program of this revolution, we shall try to understand and to overcome the widespread impulse to split the difference between believing and not believing: the sentimental attitude to religion. We shall discuss how to undermine this attitude and to replace it by a struggle over the content and future of faith. Readings from the classic literature of philosophy, theology, and social theory are intended to equip students with means to engage the argument.

Note: Offered jointly with the Divinity School as 2554 and the Law School. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Cross-listed courses that satisfy the Culture and Belief requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

[Aesthetic and Interpretive Understanding 17 \(formerly Literature and Arts B-78\).](#)

[Soundscapes: Exploring Music in a Changing World](#)

[Aesthetic and Interpretive Understanding 27 \(formerly Literature and Arts A-17\).](#)

[Childhood: Its History, Philosophy, and Literature](#)

[Ancient Near East 104. Babylon - \(New Course\)](#)

[Anthropology 1795. The Politics of Language and Identity in Latin America](#)

[\[Computer Science 105 \(formerly Computer Science 199r\). Privacy and Technology\]](#)

[Economics 1776. Religion and the Rise of Capitalism - \(New Course\)](#)

[English 173. Southern Literature and Culture in the United States](#)

[\[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context\]](#)

[\[Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature\]](#)

[Foreign Cultures 67. Popular Culture in Modern China](#)

[\[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies\]](#)

[Foreign Cultures 81. The Culture of Everyday Life in China](#)

[Foreign Cultures 84. Tokyo](#)

[Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry](#)

[*History 86a \(formerly *History 1828\). Christianity and Chinese Society](#)

[History of Science 100. Knowing the World: An Introduction to the History of Science](#)

[Jewish Studies 135. Jewish-Arab Encounters: the Classical Age](#)

[\[Literature and Arts A-93. The Hebrew Bible and Its Worlds\]](#)

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'](#)

[Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity](#)



[*Religion 1820 (formerly *Religion 1585). Muslim Societies in South Asia: Religion, Culture, and Identity]
 [Science A-41. The Einstein Revolution]
[Slavic 148. Strange Russian Writers](#)
[Societies of the World 30. Moctezuma's Mexico: Then and Now](#)
[Studies of Women, Gender, and Sexuality 1122. The Romance: From Jane Austen to Chick Lit](#)
[United States in the World 27. Religion and American Society: Global Traditions in a Changing Culture - \(New Course\)](#)

Empirical and Mathematical Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Empirical and Mathematical Reasoning teach the conceptual and theoretical tools used in reasoning and problem solving, such as statistics, probability, mathematics, logic, and decision theory. Students develop the ability to apply abstract principles and theories to concrete problems. They also learn how to make decisions and draw inferences that involve the evaluation of data and evidence, and how to recognize when an issue cannot be settled on the basis of the available evidence. Students will become aware of the many mistakes that human beings are prone to making in their reasoning and come to understand how to avoid common pitfalls in inference-making.

Empirical and Mathematical Reasoning

Empirical and Mathematical Reasoning 11. Making Sense: Language, Thought and Logic - (New Course)

Catalog Number: 37079

Bernhard Nickel (Philosophy), Gennaro Chierchia (Linguistics), and Stuart M. Shieber (Computer Science)

Half course (spring term). Tu., Th., 11:30-1, and a weekly section to be arranged. EXAM GROUP: 13, 14

What is meaning, and how do we use it to communicate? We address the first of these questions via the second, presenting an interdisciplinary approach to the study of human languages. We investigate language as the product of a natural algorithm, that is, a computational facility which grows spontaneously in our species and enables us to expose out thoughts and feelings. Our investigation uses formal models from logic, linguistics, and computer science. These models will also shed light on human nature and basic philosophical issues concerning language.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Empirical and Mathematical Reasoning 14. Fat Chance] - (New Course)

Catalog Number: 26591

Joseph D. Harris (Mathematics) and Benedict H. Gross (Mathematics)

Half course (spring term). M., W., F., at 10, and a weekly section to be arranged.

This course has three objectives: to learn to calculate probabilities precisely, when we can; to



learn how to estimate them, when we can't; and to say exactly what we can and can't infer from these calculations. The course is not mathematically demanding—we assume no mathematical background beyond high-school algebra—but the goal is serious: given that we're asked everyday to make consequential decisions on the basis of incomplete knowledge, an understanding of basic probability is an essential tool for life.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Empirical and Mathematical Reasoning 16 (formerly Statistics 105). Real-Life Statistics: Your Chance for Happiness (or Misery)

Catalog Number: 8782

Xiao-Li Meng (Statistics)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Discover an appreciation of statistical principles and reasoning via "Real-Life Modules" that can make you rich or poor (financial investments), loved or lonely (on-line dating), healthy or ill (clinical trials), satisfied or frustrated (chocolate/wine tasting) and more. Designed for those for whom this may be their only statistics course or those who want to be inspired to learn more from a subject that can intimately affect their chance for happiness (or misery) in life.

Note: This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

[Empirical and Mathematical Reasoning 18. What are the odds?] - (New Course)

Catalog Number: 54305

Edward J. Hall (Philosophy)

Half course (spring term). M., W., F., at 11.

There is the mathematics behind statistics, and then there are the concepts - without a proper grasp of which you will all too likely fall prey to confusion, error, and even outright deception. This course will teach you a bit about the math, and a lot about the concepts. Take it and achieve enlightenment about such topics as the difference between probability and risk, the nature of statistical inference, and the connections between correlation and causation.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Cross-listed courses that satisfy the Empirical and Mathematical Reasoning Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

Anthropology 1010. The Fundamentals of Archaeological Methods & Reasoning

Applied Mathematics 21a. Mathematical Methods in the Sciences

Applied Mathematics 21b. Mathematical Methods in the Sciences

Applied Mathematics 101. Statistical Inference for Scientists and Engineers

Computer Science 1. Great Ideas in Computer Science

Computer Science 50. Introduction to Computer Science I

Computer Science 171. Visualization

Economics 1010a. Microeconomic Theory

Economics 1010b. Macroeconomic Theory

Economics 1011a. Microeconomic Theory



[Economics 1011b. Macroeconomic Theory](#)
[Economics 1123. Introduction to Econometrics](#)
[*Engineering Sciences 1. Introduction to Engineering Sciences](#)
[*Engineering Sciences 50. Introduction to Electrical Engineering](#)
[Government 50. Introduction to Political Science Research Methods](#)
[Mathematics Ma \(formerly Mathematics Xa\). Introduction to Functions and Calculus I](#)
[Mathematics Mb \(formerly Mathematics Xb\). Introduction to Functions and Calculus II](#)
[Mathematics 1a. Introduction to Calculus](#)
[Mathematics 1b. Calculus, Series, and Differential Equations](#)
[Mathematics 19a. Modeling and Differential Equations for the Life Sciences](#)
[Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences](#)
[Mathematics 20. Algebra and Multivariable Mathematics for Social Sciences](#)
[Mathematics 21a. Multivariable Calculus](#)
[Mathematics 21b. Linear Algebra and Differential Equations](#)
[Mathematics 23a. Linear Algebra and Real Analysis I](#)
[Mathematics 23b. Linear Algebra and Real Analysis II](#)
[Mathematics 25a. Honors Linear Algebra and Real Analysis I](#)
[Mathematics 25b. Honors Linear Algebra and Real Analysis II](#)
[*Mathematics 55a. Honors Abstract Algebra](#)
[Mathematics 55b. Honors Real and Complex Analysis](#)
[Mathematics 101. Sets, Groups and Topology](#)
[Mathematics 154 \(formerly Mathematics 191\). Probability Theory](#)
[Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion](#)
[Physical Sciences 3. Electromagnetism, Circuits, Waves, Optics, and Imaging](#)
[Physics 11a. Mechanics](#)
[Physics 11b. Electricity, Magnetism, and Waves](#)
[Physics 15a. Introductory Mechanics and Relativity](#)
[Physics 15b. Introductory Electromagnetism](#)
[Physics 16. Mechanics and Special Relativity](#)
[\[Psychology 1900. Introduction to Statistics for the Behavioral Sciences\]](#)
[Quantitative Reasoning 22. Deductive Logic](#)
[Quantitative Reasoning 24. The Business and Politics of Health](#)
[Quantitative Reasoning 46. The Art of Numbers: The Visual Display of Quantitative Information](#)
[Quantitative Reasoning 48. Bits](#)
[\[Quantitative Reasoning 50. Medical Detectives\]](#)
[Science A-39. Time](#)
[Social Analysis 10. Principles of Economics](#)
[Social Analysis 46. Thinking about Politics: A Rational Choice Approach](#)
[Societies of the World 24. Global Health Challenges: Complexities of Evidence-based Policy - \(New Course\)](#)
[*Sociology 156. Quantitative Methods in Sociology](#)
[Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities](#)
[Statistics 101. Introduction to Quantitative Methods for Psychology and the Behavioral Sciences](#)
[Statistics 104. Introduction to Quantitative Methods for Economics](#)



Ethical Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Ethical Reasoning teach students to reason in a principled way about moral and political beliefs and practices, and to deliberate and assess claims for themselves about ethical issues. Students examine the competing conceptions and theories of ethical concepts such as the good life, obligation, rights, justice, and liberty with a focus on developing the ability to assess and weigh the reasons for and against adopting them to address concrete ethical dilemmas. Students in these courses may encounter a value system very different from their own that calls attention to their own ethical assumptions.

Ethical Reasoning

Ethical Reasoning 11. Human Rights: A Philosophical Introduction

Catalog Number: 6441

Mathias Risse (Harvard Kennedy School)

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4 What are human rights? Why would individuals have such rights? How can rights be universal, and what rights are universal? How can human rights rhetoric be criticized? This course will approach these and related questions philosophically, but with an eye to international politics.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Ethical Reasoning 12. Political Justice and Political Trials

Catalog Number: 5064

Charles S. Maier (History)

Half course (fall term). W., 2-4, and a weekly section to be arranged. EXAM GROUP: 7, 8 Criminal trials have served throughout history to enforce revolutionary change, to impose conformity, or, alternatively, to advance democracy. Students examine trials in their historical and moral context to weigh such issues as who can prosecute; can crimes be defined after the fact; can punishing speech be justified? Cases include Socrates, Louis XVI, General Dyer, the Soviet purges, Nuremberg, Eichmann, American cold-war hearings, and today's international tribunals and truth commissions.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Ethical Reasoning 20 (formerly Humanities 11). Self, Serenity, and Vulnerability: East and West

Catalog Number: 2401

Michael J. Puett (East Asian Languages and Civilizations) and Roberto Mangabeira Unger (Law School)

Half course (spring term). Th., 5-7 p.m. and a weekly section to be arranged. EXAM GROUP: 18 This course is a comparative inquiry into certain forms of moral consciousness and their metaphysical assumptions in the high cultures of Eurasia. We organize discussion around a broad



background concern as well as a focused foreground theme. The background concern is the meaning or meaninglessness of human life: comparison of some of the ways in which philosophy, religion, and art in the East and the West have dealt with the fear that our lives and the world itself may be meaningless. The foreground theme is the contrast between two answers to the question -- how should I live my life? One answer, valuing serenity achieved through disengagement from illusion and vain striving, is: stay out of trouble. Another answer, prizing the acceptance of vulnerability for the sake of self-construction and self-transformation is: look for trouble. The second answer has come to play a major part in the moral and political projects that command attention throughout the world today. We seek to understand this second answer and to assess it in the light of speculative ideas that have been prominent in Eastern and Western thought. Conversely, we use our chosen theme to explore how Eastern and Western speculation have dealt with the limits of insight into what matters most. To these ends, we consider exemplary writings from several traditions: Chinese, South Asian, ancient Greek, and modern European.

Note: Offered jointly with the Law School. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Ethical Reasoning 24. Bioethics - (New Course)

Catalog Number: 72195

Daniel I. Wikler (Public Health)

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Bioethics is the study of ethical issues arising in efforts to maintain and restore health, and, more broadly, with charting humankind's future in an era of both technological advances and unmet need. We will try to reason our way through moral dilemmas that pit health against freedom, prevention against rescue, and the claims of those with competing needs when life itself hangs in the balance. The course will emphasize ethical issues involving health that arise at the global and population levels, particularly those involving peoples and regions with the greatest burden of disease.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Cross-listed courses that satisfy the Ethical Reasoning Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

[Government 10. Foundations of Political Theory]

Government 1061. The History of Modern Political Philosophy

[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]

[Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature]

[Moral Reasoning 22. Justice]

[Moral Reasoning 28. Ethics and International Relations]

Moral Reasoning 33. Issues in Ethics

Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

Moral Reasoning 54. "If There is No God, All is Permitted": Theism and Moral Reasoning

Moral Reasoning 56. Self, Freedom, and Existence]



[Moral Reasoning 58. Slavery in Western Political Thought](#)

[Moral Reasoning 66. Moral Reasoning about Social Protest](#)

[\[Moral Reasoning 74. The Theory and Practice of Republican Government\]](#)

[Moral Reasoning 76. Comparative Religious Ethics](#)

[Moral Reasoning 78. Classical Chinese Ethical and Political Theory](#)

[\[Moral Reasoning 80. The Good Life In Classical India\]](#)

[Moral Reasoning 82. Trust, Vision, and Doubt in Ethics, Politics, and Law](#)

[Philosophy 168. Kant's Ethical Theory](#)

[Philosophy 174. Recent Ethical Theory](#)

[Philosophy 178. Equality and Democracy](#)

[\[Philosophy 179. Race and Social Justice\]](#)

Science of Living Systems

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Science of Living Systems teach central concepts, facts and theories in the life sciences and engineering, and relate them to problems of wide concern. These courses may explore a range of topics relating to understanding life -- its origins, the way it adapts to and changes the environment, and the ways in which human interventions can affect its trajectory. These courses provide students with the tools to evaluate scientific claims, consider alternative accounts for empirical findings, and appreciate the ambiguity that often surrounds such findings. Whenever possible, students examine the nature of experiments on living systems through laboratory, field, or other hands-on experiences.

Science of Living Systems

[Science of Living Systems 11. Molecules of Life](#)

Catalog Number: 9478

Jon Clardy (Harvard Medical School) and David R. Liu (Chemistry and Chemical Biology)
Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP:
12, 13

Molecules form the basis of heredity, govern how our bodies develop, allow us to respond to changes in our environment, and carry our thoughts. This course explores the roles of molecules through case studies of our bodies' messengers, modern drugs, and the future of medicine. Examples include sexual development, metabolism, behavior, nerve transmission, infectious disease, cancer, diabetes and stem cells. Students will connect to lecture material in discussion section through hands-on activities and role-playing scenarios.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

[Science of Living Systems 12. Understanding Darwinism]

Catalog Number: 5523

Janet Browne (History of Science) and Andrew J. Berry (Organismic and Evolutionary Biology)
Half course (spring term). Tu., Th., 10-11:30, and a weekly section/laboratory to be arranged.

An interdisciplinary exploration of Darwin's ideas and their impact on science and society. The course reviews the development of the main elements of the theory of evolution, highlighting those areas in which Darwin's ideas have proved remarkably robust and where subsequent



developments have significantly modified the theory. By also analyzing the historical context of the development of evolutionary thought both up to and beyond Darwin, the course emphasizes the dynamic interplay between science and society.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Science B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Science of Living Systems 16. Human Evolution and the Human Body

Catalog Number: 0470 Enrollment: Limited to 90.

Daniel E. Lieberman (Human Evolutionary Biology)

Half course (spring term). Tu., Th., 1-2:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 15, 16

How and why did humans evolve to be the way we are, and what are the implications of our evolved anatomy and physiology for human health in a post-industrial world? To address these questions, this course reviews the major transitions that occurred in human evolution, from the divergence of the ape and human lineages to the origins of modern humans. Also considered are the many effects of recent cultural and technological shifts such as agriculture and industrialization on human health.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. Students who have taken Science B-27 may not take this course for credit.

Science of Living Systems 19. Nutrition and Global Health - (New Course)

Catalog Number: 50018

Wafaie W. Fawzi (Public Health), Clifford W. Lo (Medical School), and Christopher Paul Duggan (Public Health)

Half course (spring term). M. 3-5. EXAM GROUP: 8, 9

This course introduces students to key nutrition and global health problems through an explanation of their physiological basis and epidemiological, social, political, and economic determinants. Multidisciplinary class sessions will explore issues including global burden of disease and malnutrition; historical role of nutrition in various diseases; nutrition in treatment and prevention of various clinical disease states; food security; effective nutrition-based interventions; and the effects of economy-related issues including access to food, nutritional status, and global health.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Science of Living Systems 20. Psychological Science - (New Course)

Catalog Number: 16308

Daniel T. Gilbert (spring term) and Steven Pinker (fall term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 2:30-4; Spring: M., W., 1-2:30, and a one-hour section to be arranged. . EXAM GROUP: Fall: 16, 17; Spring: 6, 7

An introduction to the sciences of mind, including foundational concepts from neuroscience, evolution, genetics, philosophy, and experimental methods, and specific topics such as perception, memory, reasoning and decision-making, consciousness, child development, psychopathology, personality, language, emotion, sexuality, violence, and social relations.



Note: Students who have taken Science B-62 or Psychology 1 may not take this course for credit but may use those courses to satisfy the General Education requirement for Science of Living Systems or the Core area requirement for Science B. This course, as well as Science B-62 and Psychology 1, meet the Tier 1 requirement for Psychology. This course, when taken for a letter grade, meets the Core area requirement for Science B.

Cross-listed courses that satisfy the Science of Living Systems Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

[Chemistry 27. Organic Chemistry of Life](#)

[Life and Physical Sciences A. Foundational Chemistry and Biology](#)

[Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology](#)

[Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution](#)

[Life Sciences 2. Evolutionary Human Physiology and Anatomy](#)

[MCB 52. Molecular Biology](#)

[MCB 54. Cell Biology](#)

[MCB 80. Neurobiology of Behavior](#)

[OEB 10. Foundations of Biological Diversity](#)

[OEB 52 \(formerly OEB 124\). Biology of Plants](#)

[Science B-23. The Human Organism](#)

[Science B-53. Marine Biology](#)

[\[Science B-60. Origins of Knowledge\]](#)

[Science B-65. Evolutionary Biology](#)

[Science of the Physical Universe 20. What is Life? From Quarks to Consciousness - \(New Course\)](#)

[Science of the Physical Universe 22. The Unity of Science: From the Big Bang to the Brontosaurus and Beyond - \(New Course\)](#)

[SCRB 10. Human Developmental and Regenerative Biology - \(New Course\)](#)

Science of the Physical Universe

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Science of the Physical Universe teach scientific concepts, facts, theories, and methods in the physical sciences and engineering and relate them to problems of wide concern. These courses may explore discoveries, inventions, and concepts in the physical sciences that have led to or underlie issues affecting societies across the globe including reliance on fossil fuels, the exploration of space, the proliferation of nuclear weapons, climate change, and privacy in an age of digital communication. The courses provide students with the tools to evaluate scientific claims, consider alternative accounts for empirical findings, and appreciate the ambiguity that often surrounds such findings. Whenever possible, students examine the nature of experiments in the physical sciences and engineering through laboratory, field, or other hands-on experiences

Science of the Physical Universe

**Science of the Physical Universe 12 (formerly Science A-43). Natural Disasters**

Catalog Number: 6001

*John H. Shaw (Earth and Planetary Science)**Half course (spring term). T., Th 1-2:30 p.m., and a 60 to 120-minute weekly lab section to be arranged. EXAM GROUP: 15, 16*

Natural disasters, such as earthquakes, hurricanes, and floods, claim thousands of lives and cause tens of billions of dollars in damage each year. Moreover, changes in Earth's climate are raising sea level, changing precipitation patterns, and likely causing an increase in the occurrence of damaging storms, putting more of our global population at risk. In this course we develop an understanding of these natural hazards from an earth science perspective, and examine several case studies to assess their catastrophic impacts. Given our scientific understanding of these phenomena, we examine ways to assess and forecast future natural disasters, and to mitigate the adverse impacts to our societies. Sections will emphasize the use of GIS technology to measure the impacts of natural hazards.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Science of the Physical Universe 13 (formerly Science A-49). The Physics of Music and Sound

Catalog Number: 8987 Enrollment: Limited to 60.

*Eric J. Heller (Chemistry and Chemical Biology and Physics)**Half course (spring term). M., W., 2:30-4, and a weekly section to be arranged. EXAM GROUP: 7, 8*

Sound and music are integral parts of all human cultures, and play critical roles in communications and social interactions. In this course, we explore the science of the production, transmission, and perception of sound, with the aim of expanding both scientific and artistic horizons. Topics will include the nature of vibrations, resonance, interference, harmony, dissonance, musical instruments, and human auditory response. Principles of physics are slowly worked into the course as topics arise. The mathematical background of students is assumed to be at the level of high school algebra and trigonometry.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Science of the Physical Universe 15 (formerly Science A-45). Reality Physics

Catalog Number: 4562

*Gerald Gabrielse (Physics)**Half course (fall term). M., W., 11:30-1, and a weekly section to be arranged. EXAM GROUP: 4, 5*

What flows from electrical wall sockets, cell phones, and power lines? What are the risks? How do magnetic resonance imaging, X-rays, and CT scans take pictures within our bodies, and with what danger? What are the lasers that inhabit grocery store checkout counters and CD players? What are atomic clocks? How have they and GPS satellites revolutionized navigation for backpackers and ships? How does Einstein's famous formula describe the energy release from nuclei? What are nuclear reactors and nuclear waste? This quantitative study of the physics of daily life is intended to enable more informed choices in our society.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Science A.



Science of the Physical Universe 20. What is Life? From Quarks to Consciousness - (New Course)

Catalog Number: 84519

Melissa Franklin (Physics), Andrew J. Berry (Organismic and Evolutionary Biology), and Logan S. McCarty (Chemistry and Chemical Biology)

Half course (fall term). M., W., F., at 10, and a one hour discussion and one hour of hands-on laboratory per week to be arranged. EXAM GROUP: 3

This course views life through multiple lenses. Quantum physics involves uncertainty and randomness, and yet paradoxically it explains the stability of molecules, such as DNA, that encode information and are critical to life. Thermodynamics is about the universe's ever increasing disorder, and yet living systems remain ordered and intact. This course will examine how these physical laws underpin life and how life itself has diversified since originating 3.5 billion years ago.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Science of the Physical Universe or Science of Living Systems, but not both. This course, when taken for a letter grade, meets the Core area requirement for either Science A or Science B, but not both.

Science of the Physical Universe 22. The Unity of Science: From the Big Bang to the Brontosaurus and Beyond - (New Course)

Catalog Number: 32997

Irwin I. Shapiro (Astronomy)

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Science is like well-woven, ever-expanding fabric, designed to (un)cover Nature's secrets. This course emphasizes the strong connections between subfields of science, showing it as the never-ending and greatest detective story ever told, with evidence always the arbiter. These characteristics are exhibited in the semi-historical treatment of three themes: unveiling the universe, the earth and its fossils, and the story of life. Opportunities include working with Harvard's scientific facilities and making short films.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Science of the Physical Universe or Science of Living Systems, but not both. This course, when taken for a letter grade, meets the Core area requirement for either Science A or Science B, but not both.

Science of the Physical Universe 24. Introduction to Technology and Society - (New Course)

Catalog Number: 14726 Enrollment: Limited to 30.

Venkatesh Narayanamurti (Engineering and Applied Sciences, Physics)

Half course (spring term). M., W., 1–3. EXAM GROUP: 6, 7

From the digital revolution to biomedicine, from global warming to sustainability, and from national security to renewable energy, technology plays a critical role in shaping our lives. In this course, the students will be exposed to applied science and engineering concepts that span disciplines and examine broadly how technology shapes society and vice versa. It will emphasize qualitative and semi-quantitative analysis, modeling and the conceptual basis of some of the grand challenges facing society.

Note: Permission of the instructor. This course, when taken for a letter grade, meets the Core area requirement for Science A.



Science of the Physical Universe 25. Energy: Perspectives, Problems and Prospects

Catalog Number: 1387

Michael B. McElroy (*Engineering and Applied Sciences*)

Half course (spring term). T., Th., 1-2:30 and a weekly section to be arranged. EXAM GROUP: 15, 16

The course provides an historical account of the evolution of the modern energy system, from early dependence on human and animal power, to the subsequent use of wind and water, to more recent reliance on fossil fuels - coal, oil and natural gas - and even more recently to the development of the ability to tap the energy contained in the nucleus. It will discuss the important historical advances in the applications of energy, notably in the production and distribution of electricity and in the transportation sector - where oil-derived products provide the motive force for cars, trucks, trains, ships and planes. It will highlight the energy related problems we confront today, with particular emphasis on air pollution, on the threat of global climate change, on the hazards of nuclear proliferation, and on the risks to national security imposed by our increasing reliance on imported sources of oil. It concludes with a discussion of options for a more sustainable energy future.

Note: Students who have taken Science A-52 may not take this course for credit. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Students are expected to have a background of high school algebra and trigonometry.

Cross-listed courses that satisfy the Science of the Physical Universe Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

[Astronomy 16. Stellar and Planetary Astronomy](#)

[Astronomy 17. Galactic and Extragalactic Astronomy - \(New Course\)](#)

[Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere](#)

[Earth and Planetary Sciences 7. Introduction to Geological Sciences](#)

[\[Earth and Planetary Sciences 109. Earth Resources and the Environment\]](#)

[Earth and Planetary Sciences 133. Atmospheric Chemistry](#)

[*Engineering Sciences 1. Introduction to Engineering Sciences](#)

[Engineering Sciences 6. Environmental Science and Technology](#)

[*Engineering Sciences 50. Introduction to Electrical Engineering](#)

[Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences](#)

[Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion](#)

[Physical Sciences 3. Electromagnetism, Circuits, Waves, Optics, and Imaging](#)

[Physics 11a. Mechanics](#)

[Physics 11b. Electricity, Magnetism, and Waves](#)

[Physics 15a. Introductory Mechanics and Relativity](#)

[Physics 15b. Introductory Electromagnetism](#)

[Physics 15c. Wave Phenomena](#)

[Physics 16. Mechanics and Special Relativity](#)

[Physics 123. Laboratory Electronics](#)

[Physics 125. Widely Applied Physics](#)



[Science A-29. The Nature of Light and Matter](#)

[Science A-35. The Energetic Universe](#)

[Science A-36. Measuring The Universe With Stars](#)

[Science A-39. Time](#)

[\[Science A-41. The Einstein Revolution\]](#)

[\[Science A-50. Invisible Worlds: Micro- and Nanothings. Science, Technology, and Public Policy\]](#)

[Science B-35. How to Build a Habitable Planet](#)

Societies of the World

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Societies of the World provide students with an international perspective by acquainting them with values, customs, and institutions that differ from their own, and help students to understand how different beliefs, behaviors, and ways of organizing society come into being. These courses may focus primarily on a single society or region, or they may address topics that transcend national boundaries, analyzing the flow and transformation of money, goods, people, resources, information, or ideas between and among different societies. The courses may take a variety of disciplinary approaches, and may treat topics from a contemporary perspective or a historical one. Students will develop an awareness of the diversity of ways in which human beings have organized their social existence.

Societies of the World

[Societies of the World 11. Germany in the World, 1600-2000](#)

Catalog Number: 2359

David Blackbourn (History)

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

This course examines how German-speaking Europe and its inhabitants have interacted with the wider world over the last four centuries. Political and military dimensions receive attention, but so do trade and commodity flows, migration, ecological exchanges, travel, exploration, colonialism, and cultural transfers. The course, in which visual materials play an integral part, seeks to show how a national history can be seen in new ways when viewed through a transnational perspective.

Note: Students who have taken Historical Study A-76 may not take this course for credit. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Societies of the World 17 (formerly Social Studies 50). Genocide]

Catalog Number: 3653

Jens Meierhenrich (Government)

Half course (spring term). Th., 2–4.

This lecture course examines the theory and history of genocide. It compares and contrasts the dynamics of genocide from Sparta to Darfur, with particular reference to the Ottoman Empire,



Germany, Cambodia, the former Yugoslavia, Rwanda, and Sudan. The course sheds light on the origins of "final solutions" and their disastrous effects as well as the problem of prevention. Insights are drawn from a variety of disciplines, including law, political science, sociology, psychology, and history.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Societies of the World 18 (formerly History 1205). Europe Since the Second World War

Catalog Number: 4588

Mary D. Lewis (History)

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Considers the political, economic, social and cultural development of Europe since the end of the Second World War. Examines post-war reconstruction; decolonization and the Cold War; the development of social democracy, new social movements, and the welfare state; the birth and expansion of the European Union; the emergence and importance of "immigrant politics" and new extreme-right movements; the events of 1989 and their significance.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Societies of the World 19. Western Ascendancy: The Mainsprings of Global Power from 1600 to the Present - (New Course)

Catalog Number: 77527

Niall Ferguson (History)

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

From the scientific revolution to the industrial revolution, from democracy to the consumer society, from imperialism to nationalism and socialism, the ideas and institutions of "the West" (meaning Europe and its colonies of settlement) came to dominate the world in the four centuries after around 1600. But what were the mainsprings of Western power? Taking a comparative historical approach, this course seeks to identify the key economic, cultural, social, political and military differences between the West and "the Rest".

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Societies of the World 22. Asia in the Making of the Modern World - (New Course)

Catalog Number: 26005

Shigehisa Kuriyama (East Asian Languages and Civilizations) and Parimal G. Patil (Sanskrit)

Half course (spring term). Tu., 11:30-1, and a 2 hour section to be arranged. EXAM GROUP: 13, 14

This course spotlights familiar aspects of everyday life in contemporary America, and reveals how a deeper understanding of them often requires study of peoples and events in distant places and times. In addition to making startling discoveries about global history, students will also learn the creative use of electronic databases and archival resources, and gain experience with multimedia presentations (mini-documentaries, podcasts).



Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Societies of the World 24. Global Health Challenges: Complexities of Evidence-based Policy - (New Course)

Catalog Number: 92634

Sue J. Goldie (Public Health)

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course introduces the principal health problems of populations ranging from their physiological basis to their epidemiological context. Emphasis is placed on methods for measuring population health, the evidence base for effectiveness, risks, and costs of interventions, and analytic tools for decision making. While emphasizing science driven policy, through comparative case-studies students will learn how access to effective interventions is critically influenced by systemic factors, health system capacity, and the economic, social and political climate.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Societies of the World or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis. Students who have taken Social Analysis 76 may not take this course for credit.

Societies of the World 25 (formerly Anthropology 1825). Health, Culture and Community: Case Studies in Global Health

Catalog Number: 9587 Enrollment: Limited to 180.

Arthur Kleinman (Anthropology) and Paul Farmer (Medical School)

Half course (fall term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

Examines, through lectures and case-based discussions, a collection of global health problems rooted in rapidly changing social structures that transcend national and other administrative boundaries. Students will explore case studies (addressing AIDS, tuberculosis, mental illness, and other topics) and a diverse literature (including epidemiology, anthropology, history, and clinical medicine), focusing on how a broad biosocial analysis might improve the delivery of services designed to lessen the burden of disease, especially among those living in poverty.

Note: Course counts as Social Anthropology. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Societies of the World 29. Inequality and Society in 21st Century East Asia - (New Course)

Catalog Number: 71326

Mary C. Brinton (Sociology)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

East Asian economies burst onto the center stage of global capitalism in the late 20th century. How were the lives of ordinary people in this part of the world affected? Who has gained and lost in the process of economic development? This course uses ethnography as well as "hard data" to study these questions in Japan, South Korea, and China and to familiarize students with how social scientists study social and economic inequality.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.



Societies of the World 30. Moctezuma's Mexico: Then and Now

Catalog Number: 3196

David L. Carrasco (Anthropology) and William L. Fash (Anthropology)

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Explorations of the origins, glory days and collapse of the Aztec Empire and other key Mesoamerican civilizations followed by the political and sexual interactions of the Great Encounter between Mesoamerica and Europe. Focus on archaeology, cosmovision, human sacrifice, divine kingship and rebellion in Mesoamerican cities and in colonialism. Hands-on work with objects at the Peabody Museum aid in examining new concepts of race, nation and the persistence of Montezuma's Mexico in Latino identities in the Mexico-US Borderlands.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Societies of the World or Culture and Belief, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

Societies of the World 31. Crisis, Globalization and Economics - (New Course)

Catalog Number: 80232

Richard B. Freeman (Economics) and Roberto Mangabeira Unger (Law School)

Half course (spring term). W., 1-3. EXAM GROUP: 6, 7

Examines the present financial and economic crisis and how it spread from financial markets to the real economy worldwide. Explores efforts to understand the causes of economic slumps from the Great Depression to the present in the context of fundamental ideas about how economies work and grow. Critically assesses proposals for reforming the relation between finance and the real economy to produce more stable and inclusive economic outcomes and for rethinking economic analyses of crises.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis. Jointly offered with the Law School as LAW-34215A.

Prerequisite: Social Analysis 10, high school economics, or equivalent is strongly recommended; or permission of instructor.

Societies of the World 32 (formerly Historical Study A-73). The Political Development of Western Europe

Catalog Number: 8261

Peter A. Hall

Half course (fall term). Tu., Th., at 11, and a 90-minute weekly section to be arranged. EXAM GROUP: 13

A survey of the creation of modern politics in Britain, France, Germany, and Italy from the feudal period to the 20th century, focusing on the causes and consequences of crucial developments such as the English and French Revolutions, the Industrial Revolution, 19th-century democratization, and the appearance of fascism. Emphasizes the usefulness of comparative, historical analysis for understanding the origins of contemporary politics and competing approaches to understanding the processes of change associated with the development of the modern state.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the



Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Cross-listed courses that satisfy the Societies of the World Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

[Ancient Near East 104. Babylon - \(New Course\)](#)

[Anthropology 1125. The Moche of Ancient Peru: Politics, Economy, Religion and Art Culture and Belief 21 \(formerly Foreign Cultures 93\). Pathways through the Andes—Culture, History, and Beliefs in Andean South America](#)

[Culture and Belief 33. Introduction to the Study of East Asian Religions - \(New Course\)](#)

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)

[Foreign Cultures 48. The Cultural Revolution](#)

[\[Foreign Cultures 63. China's Two Social Revolutions\]](#)

[Foreign Cultures 81. The Culture of Everyday Life in China](#)

[Foreign Cultures 84. Tokyo](#)

[Government 20. Foundations of Comparative Politics](#)

[Government 40. International Conflict and Cooperation - \(New Course\)](#)

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-21. Africa and Africans: The Making of a Continent in the Modern World](#)

[Historical Study A-75. The Two Koreas](#)

[\[Historical Study A-88. The British Empire\]](#)

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate](#)

[\[History 1060. Europe and Its Borders, 950-1550\]](#)

[History 1281. The End of Communism - \(New Course\)](#)

[History 1285. Russia and the Great Eurasian Steppe](#)

[History 1627. China in the Wider World, 1600-2000 - \(New Course\)](#)

[History 1920 \(formerly History 10c\). A Global History of Modern Times](#)

[Literature and Arts C-61. The Rome of Augustus](#)

[\[*Religion 1820 \(formerly *Religion 1585\). Muslim Societies in South Asia: Religion, Culture, and Identity\]](#)

United States in the World

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in United States in the World examine American social, political, legal, cultural, and/or economic practices, institutions, and behaviors from contemporary, historical, and/or analytical perspectives. These will help students to understand this country as a heterogeneous and multifaceted nation situated within an international framework by examining ideas about what it means to be an American, about the persistence and diversity of American values, about the relations among different groups within the United States and between the United States and the rest of the world. Courses may compare the American situation to other societies of the world, or



show change over time within the United States. These courses prepare students for civic agency by providing critical tools to understand these issues in a historical and/or comparative context.

United States in the World

[United States in the World 11. American Health Care Policy]

Catalog Number: 4045

Richard G. Frank (Harvard Medical School)

Half course (fall term). Tu., Th., 1-2:30; and a weekly section to be arranged.

Health care in America poses fundamental policy challenges to our ability to protect low income Americans from the costs of illness; to produce high quality care; to efficiently use health care resources, and to allow Americans to die without pain, in the company of family, as they desire. This course aims to offer students a solid understanding of the American health care system as well as a method of analyzing a major social policy challenge.

Note: Expected to be given in 2010–11. Students who have taken General Education 186 may not take this course for credit. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

[United States in the World 12 (formerly History of Art and Architecture 17y). American Encounters: Art, Contact, and Conflict, 1560-1860]

Catalog Number: 8937

Jennifer L. Roberts (History of Art and Architecture)

Half course (spring term). Tu., Th., at 11.

An introduction to early American art with a focus on transatlantic, cross-cultural perspectives. We begin with the global struggle for control of the North American continent, tracing the collision of multiple Native American and African traditions with the visual and material cultures of British, French, and Spanish colonialism. We then focus more closely on the US proper, examining the active role of the visual arts in the formation of American politics, religion, and society.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

United States in the World 19. American Food: A Global History - (New Course)

Catalog Number: 43817

Joyce E. Chaplin (History)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Europeans “discovered” America in search of foodstuffs, specifically spices. And food has been central to the American experience from the starving time in early Virginia to the problem of obesity in the United States today. But what is American about American food? How have individual food choices and national food policies connected Americans to the larger world, both the social worlds of other human beings and the natural world of all other living beings?

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.



United States in the World 21 (formerly Sociology 107). The American Family

Catalog Number: 9124

Martin K. Whyte (Sociology)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

The American family is often thought to be changing in ways considered unfortunate for children and society. At the same time, the family continues to occupy a central place in people's lives. We examine how and why American families have changed and explore the consequences of these changes.

Note: Discussion section required. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

United States in the World 23 (formerly English 177). Art and Thought of the Cold War

Catalog Number: 7704

Louis Menand (English)

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Culture of the early cold war (1945-1965) in the context of political events and intellectual developments. We will be particularly interested in the unintended consequences of Cold War policies and in trans-Atlantic cultural exchange. Subjects include the literature of totalitarianism, Abstract Expressionism, the Beats, the philosophy of higher education, the Warren Court, film noir, and the French New Wave.

Note: No auditors permitted without permission of the instructor. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

United States in the World 24 (formerly Sociology 19). Reinventing Boston: The Changing American City

Catalog Number: 9395

Christopher Winship (Sociology)

Half course (fall term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

American cities have changed in extraordinary ways. Once projected to be doomed to a future of blight and decay, Boston has become a model of urban renaissance. Using Boston as a case, this course considers issues of: technology booms, economic change and inequality, political governance, elite relations, cultural institutions, race and ethnic relations, immigration, gentrification and suburbanization. Weekly guest speakers. Requirements: 3 short group papers and individual term paper.

Note: May be counted for introductory concentration requirement, if letter-graded. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

United States in the World 26 (formerly Studies of Women, Gender, and Sexuality 1000sc). Sex and the Citizen - (New Course)

Catalog Number: 64666

Caroline Light (Women, Gender, and Sexuality)

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Even before the formal establishment of the United States, assumptions about sex have helped



determine who is entitled to - and not entitled to - the privileges and protections of full citizenship. This course investigates the roles that sex, gender, and sexuality have played in configuring notions of citizenship over time as well as the ways in which sexual rights remain a site of contestation and struggle in the modern United States.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

United States in the World 27. Religion and American Society: Global Traditions in a Changing Culture - (New Course)

Catalog Number: 20673

R. Marie Griffith (Divinity School)

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to religious life in the United States since the late 19th century. We will focus on mainstream groups as well as countercultural movements that highlight distinctive ways of being both "religious" and "American," including the Americanization of global religions in the U.S. context. Major themes include religious encounter and conflict; secularization, resurgent traditionalism, and new religious establishments; experimentalism, eclecticism, and spirituality; the relationship between religious change and broader social currents (pertaining e.g. to race, class, gender, and sexuality); transnational crossings; and the enduring challenges of religious multiplicity in the U.S.

Note: This course, when taken for a letter grade, meets the General Education requirement for either United States in the World or Culture and Belief, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Cross-listed courses that satisfy the United States in the World Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

African and African American Studies 10. Introduction to African American Studies
Economics 1356. Economics of Work and Family - (New Course)

Government 30. American Government: A New Perspective

[Historical Study A-34. Medicine and Society in America]

Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America]

Historical Study B-43. (formerly History 1629). Slavery/Capitalism/Imperialism: The US in the Nineteenth Century

Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969

History 1465 (formerly History 1650b). The United States in the World, since 1900

[Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form]

[Moral Reasoning 74. The Theory and Practice of Republican Government]

Quantitative Reasoning 24. The Business and Politics of Health

Social Analysis 10. Principles of Economics



[[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)]
[Social Analysis 72. Economics: A Critical Approach](#)

Graduate Seminars in General Education

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

These seminars for graduate students will be committed to the discussion, development, and design of undergraduate courses that will be appropriate for the new Program in General Education. Graduate students will actively engage with faculty to consider central conceptual and analytic themes, course design and pedagogy, as well as other important decisions in the development and implementation of courses in general education.

Interested graduate students should contact the specific faculty members for more information and check with their home departments about whether these courses will fulfill requirements for relevant graduate degrees.

[Graduate Seminars in General Education 211hf. Seminar on Research Methods on Internet and Society - \(New Course\)](#)

Catalog Number: 83601

John G. Palfrey (Law School)

Half course (throughout the year). Fall: (M.), 6–8 p.m.; Spring: M., 6–8 p.m.

The Internet, digital media and new computational tools raise new challenges while also offering new opportunities for ways to study our social world and the social, political, cultural and economic aspects of the Internet in particular. The goal of this seminar is to explore rigorous ways of studying the Internet's societal implications empirically using a myriad of social scientific and computing scientific research methodologies. We will also consider the use of these methods in combination with analytical processes used by lawyers and others who examine issues of public policy. The seminar will also design and develop a General Education course on these themes for undergraduates.

Graduate Seminars in General Education

[Comparative Literature 278. Failure and Change \(Graduate Seminar in General Education\) - \(New Course\)](#)

[East Asian Studies 240. Arts of Asia \(Graduate Seminar in General Education\) - \(New Course\)](#)

[*English 293. Philosophy, Psychiatry and Literature: Seminar \(Graduate Seminar in General Education\) - \(New Course\)](#)

[German 246. The Ethics of Atheism: Marx, Nietzsche, Freud \(Graduate Seminar in General Education\) - \(New Course\)](#)

[History 2403. Harvard Collections in World History \(Graduate Seminar in General](#)



Education) - (New Course)

***History 2921. Western Ascendancy: Historiography and Pedagogy (Graduate Seminar in General Education) - (New Course)**

Human Evolutionary Biology 2311. Evolutionary Medicine Seminar (Graduate Seminar in General Education) - (New Course)

Linguistics 290. Heritage Languages and Their Speakers (Graduate Seminar in General Education) - (New Course)

Medieval Studies 290. Making the Middle Ages (Graduate Seminar in General Education) - (New Course)

OEB 282. Genomics and Evolution of Infectious Disease (Graduate Seminar in General Education) - (New Course)

***Philosophy 291. Philosophy, Psychiatry and Literature: Seminar (Graduate Seminar in General Education) - (New Course)**

Sociology 229. Comparative Institutions and Inequality: East Asia (Graduate Seminar in General Education) - (New Course)

***Statistics 305. Statistical Fallacies and Paradoxes: A Cartoon Guide (Graduate Seminar in General Education) - (New Course)**

Core Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

As of July 2008, the General Education Committee assumed responsibility for the Core Curriculum. For further information, please consult the Core website, my.harvard.edu/core. Students entering prior to Fall 2009 are required to complete the Core requirements unless they choose to switch to the Program in General Education. For more information, please consult the General Education website, www.generaleducation.fas.harvard.edu.

Foreign Cultures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The goals common to all courses in Foreign Cultures are to expand one's understanding of the importance of cultural factors in shaping people's lives, and to provide fresh perspectives on one's own cultural assumptions and traditions, through study of cultures significantly different from that of the United States and the Anglophone cultures of the British Isles, Canada, Australia, and New Zealand. These courses also introduce methods of studying a culture, and the issues involved in approaching a culture not one's own. Whether the primary emphasis is on the analysis of key texts and works of art, on historical change, or on other fundamental aspects of individual or social life, Foreign Cultures courses seek to identify the distinctive patterns of thought and action that account for the particular configuration or ethos of another culture.



To meet the general aims of the Core requirement, two types of Foreign Cultures courses are offered: one-semester courses devoted to major cultures distinct from that of the United States, taught in English or in the language of those particular cultures, and full-year foreign language courses beyond the introductory level, with substantial cultural content. With the exception of the specific courses listed at the end of this section, departmental courses may not be substituted for Foreign Cultures courses to meet this requirement.

Foreign Cultures

Foreign Cultures 12. Sources of Indian Civilization

Catalog Number: 8312

Diana L. Eck

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged.

An introduction to the ideas and images that shaped classical Indian civilization and which continue to be of significance to the understanding of modern India. Explores three areas of Indian culture: its philosophical perspectives, its social and moral order, and its mythic and visual imagination.

Note: Expected to be omitted in 2001–02.

[Foreign Cultures 17. Thought and Change in the Contemporary Middle East]

Catalog Number: 8705

Nur Yalman

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

The social and political formation of the countries of the Middle East since the 19th century. Focus on Turkey, Arab countries, Israel, and Iran; how both native and non-native social theorists portray the processes of change, tradition, and history. Orientalist, Marxist, and cultural anthropological theorists are juxtaposed; writers such as Gökalp, Shariati, Fanon are to be situated. Topics include Islam and politics; the impact of the West; culture change; revolutionary movements; mystic orders; ethnicity and alienation; the position of women; “progress.”

Note: Expected to be given in 2001–02.

Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours

Catalog Number: 8550

Tom Conley

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged.

Focuses on relations of cinema to French culture from the silent era to the age of video. Explores film in dialogue with cultural and historical events; development of a national style and signature; a history of criticism. Correlates study of cinema to cultural analysis. Takes up Renoir and poetic realism; unrest in 1930s; France and other filmic idioms (Italy, Hollywood, Russia); new wave directors; feminist and minoritarian cinema after 1980.

Note: Conducted in French.

Foreign Cultures 22a. La critique sociale à travers l'humour

Catalog Number: 0656



Marlies Mueller

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

A second-year language course that explores some French institutions, values, and traditions of the 17th and 18th centuries as objects of humorous attacks by such authors as Beaumarchais, La Fontaine, Molière, and Voltaire. Multidisciplinary approach. Modern interpretations by such eminent film directors as Cassell, Leconte, Rossellini, Scola, and Wajda. At the end of the course students should be able to understand lectures in French, converse on a large variety of topics with native speakers, read material of moderate difficulty, write correct French, and be capable of continuing their studies in higher-level French courses.

Note: Conducted in French. Both Foreign Cultures 22a and 22b, not necessarily in sequence, must be taken to fulfill the Foreign Cultures requirement.

Prerequisite: A Harvard placement score of 600 minimum, equivalent preparation, or permission of instructor.

Foreign Cultures 22b. La critique sociale à travers l'humour

Catalog Number: 0591

Marlies Mueller

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

A continuation of Foreign Cultures 22a at a higher level. Explores French institutions, values, and traditions of the 19th and 20th centuries with emphasis on such authors and film directors as Balzac, Beineix, Godard, Renoir, Sartre, and Stendhal.

Note: Conducted in French. Both Foreign Cultures 22a and 22b, not necessarily in sequence, must be taken to fulfill the Foreign Cultures requirement.

Prerequisite: A Harvard placement score of 710 minimum, Foreign Cultures 22a, equivalent preparation, or permission of instructor.

[Foreign Cultures 30. Forging a Nation: German Culture from Luther to Kant and Beyond]

Catalog Number: 0580

Peter J. Burgard

Half course (fall term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

Examines literary, philosophical, religious, and political movements of the period 1500–1775, from the Reformation to the Enlightenment. Analysis of the social and political implications of texts from that time and consideration of their critical reception in the 20th century. Focus on the relevance of this early age in German cultural history for our own age. Main topics: Reformation and revolution; the crisis of humanism; nationalism; literature under the sign of war; Enlightenment and postmodernism.

Note: Expected to be given in 2001–02. Readings in German, discussions in German and English.

Prerequisite: German D, equivalent preparation, or permission of the instructor.

Foreign Cultures 33. Les doctrines politiques et sociales de la France

Catalog Number: 4455



Stanley Hoffmann

Half course (fall term). Tu., Th., 2–3:30, and a weekly section to be arranged. EXAM GROUP: 16, 17

A study of the ideas concerning the proper organization of society and of political institutions offered by French political theorists, intellectuals (including literary figures), and major statesmen from the 17th century to the present.

Note: Expected to be omitted in 2001–02. Lectures and sections in French; readings in French and English.

Foreign Cultures 34. Mesoamerican Civilizations

Catalog Number: 3196

William L. Fash and David S. Stuart

Half course (fall term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6

This course highlights the distinctive features of the evolving cultural traditions of Mesoamerica, one of the oldest living civilizations in the world. Precolumbian religion, arts, cultural ecology, and construction of power and social identity through myth, ritual, and official history are explored first. Continuities and changes in those traditions resulting from the Spanish conquest, colonial rule, and subsequent global change in the 20th century are then analyzed. In Mexico and Central America, the past continues to shape the present, and living cultures help illuminate processes, events, and worldview in the archaeological past.

[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations]

Catalog Number: 6357

Orlando Patterson

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Caribbean societies are largely the economic and political creations of Western imperial powers. Though in the West, they are only partly of it, and their popular cultures are highly original blends of African and European forms. The course examines the area as a system emerging from a situation of great social and cultural diversity to the present tendency toward social and cultural convergence. Patterns of underdevelopment are explored through case studies of Latin and Afro-Caribbean states, as are cultural adaptations through studies of Afro-Caribbean religions and folklore, the poetry of Negritude, and reggae music. America's interaction is also examined.

Note: Expected to be given in 2001–02.

Foreign Cultures 48. The Cultural Revolution

Catalog Number: 6474

Roderick MacFarquhar

Half course (spring term). M., W., (F.), at 9, and a weekly section to be arranged. EXAM GROUP: 2

From 1966 to 1976, the People's Republic of China was wracked by civil strife, student violence, political intrigue, and military plots. What had once seemed the best disciplined and most stable of dictatorial states seemed about to dissolve into disunity, even anarchy, and as a result of the actions of the man who had done more than anyone else to create it: Chairman Mao Zedong. The Cultural Revolution is traced in order to pinpoint Mao's aims and to explore the deeper political, social, economic, and cultural issues that his actions raised for the Chinese, and for the rest of us



as well.

Note: For students under the Core requirement, counts as either Foreign Cultures or Historical Study B, but not both.

[Foreign Cultures 56. Jewish Life in Eastern Europe]

Catalog Number: 1271

Jay M. Harris

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

An examination of the variegated cultural achievements of Eastern European Jewish society, including its religious and ethical worldviews; its educational institutions; its literature; its politics. Primary focus on the 19th century, the development and continuity of traditional life, and the confrontation between traditional and newer cultural patterns.

Note: Expected to be given in 2001–02.

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

Catalog Number: 1976

Hue-Tam Ho Tai

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

An introduction to the enduring bases of Vietnamese society and culture. Focuses on the impact of change on the individual, the family, the community, and the nation through the ages. The condition of women from primitive times to the socialist present, the relationship between religion and politics, the continuing struggle over land, and the dilemmas of leadership and national integration are examined through a combination of literary and historical documents as well as more analytical materials.

Note: Expected to be given in 2001–02.

Foreign Cultures 62. Chinese Family, Marriage, and Kinship: A Century of Change

Catalog Number: 2628 Enrollment: Limited to 210.

James L. Watson

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Examines Chinese culture from the “bottom up” with emphasis on the structure of everyday life. The first half deals with prerevolutionary (noncommunist) society. Topics include marriage and adoption strategies, concubinage, inheritance patterns, gender roles, lineage organization, and life crisis rituals. Second half focuses on postrevolutionary society and Maoist attempts to construct a new culture. Topics include land reform and collectivization, marriage, women’s liberation, changing family organization, antisuperstition campaigns, population control, and the impact of post-Mao reforms. Ethnographic laboratories (sections) examine issues such as footbinding, arranged marriage, and political campaigns.

Note: Expected to be omitted in 2001–02. For students under the Core requirement, counts as either Foreign Cultures or Social Analysis, but not both.

Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture

Catalog Number: 9028



Stephen Owen

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15
 Examines the role Chinese literary texts have played in articulating the place of the individual as part of, or against, the authority of community and state. Beginning with the celebrations of social integration in the early parts of the *Classic of Poetry* (early first millennium B.C.), we will follow the increasingly complex role literature came to play, both as a critic of authority and as establishing a domain of private life.

Note: For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts A, but not both.

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

Catalog Number: 1065

Ali S. Asani

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

Offers an introductory survey of the Islamic world as well as the fundamental concepts and devotional practices of the Islamic faith. Focuses on developing an understanding of the diversity of the Muslim religious worldview and the manner in which it has influenced the political, social, and cultural life of Muslims in various parts of the world, particularly in the modern period. Briefly considers the contemporary situation of Muslims as a religious minority in Europe and the United States.

Note: Expected to be given in 2001–02.

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

Catalog Number: 5581

Svetlana Boym

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Explores 20th-century Russian culture through literature, art, and film. Topics include art and revolution, utopian imagination and the authoritarian state, the rewriting of history through literature and film, art of the fantastic and the literature of exile, postcommunism and postmodernism, the search for national identity, and resistance to nationalism. Proceeds from revolutionary avant-garde art and artistic experimentation of the 1920s to the declaration of Socialist Realism and the experience of Stalinism, from the dissident art of the 1960s in Russia and Central Europe to the culture of Cold War, perestroika, and beyond. Works by Malevich, Eisenstein, Vertov, Mayakovsky, Babel, Bulgakov, Mandel'shtam, Nabokov, Kundera, Brodsky.

Note: Expected to be given in 2001–02.

Foreign Cultures 74. Cultures of Southern Europe

Catalog Number: 0603

Michael Herzfeld

Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

This is a survey of the modern cultures of Cyprus, Greece, Italy, Malta, Portugal, and Spain. Southern Europe has been viewed as both the fount of “Western civilization” and as a poor and crime-ridden backwater; it has been home to imperial powers and humiliated client-states alike. Through the reading of anthropological field studies (urban and rural), literary and historical portrayals, and artistic representations (including film and opera), this course focuses on what



such contradictions mean for people in those countries at the level of everyday life, and provides an account of differences as well as similarities among the countries discussed.

Foreign Cultures 76. Mass Culture in Nazi Germany: The Power of Images and Illusions

Catalog Number: 3396

Eric Rentschler

Half course (spring term). M., W., (F.), at 11; screenings, M., 4–6, and a weekly section to be arranged. EXAM GROUP: 4

A half-century after Hitler's demise, the legacy of Nazi sights and sounds remains contested and problematic. We will analyze seminal films of the Third Reich as ideological constructs, popular commodities, and aesthetic artifacts. How did emanations of Joseph Goebbels' Ministry of Propaganda figure within the larger contexts of state terror, world war, and mass murder, and how have Nazi images been presented and recycled since 1945? Sampling of short subjects and documentaries (*Triumph of the Will*, *Olympia*, and *The Eternal Jew*), and narrative films (*Hitler Youth Quex*, *The Broken Jug*, *La Habanera*, *Jew Süss*, and *Kolberg*). Readings provide pertinent socio-historical backgrounds and important theoretical perspectives.

Note: Expected to be omitted in 2001–02. No knowledge of German required.

Foreign Cultures 78. Culture-Building and the Emergence of Modern Scandinavia

Catalog Number: 0671

Stephen A. Mitchell

Half course (spring term). Tu., Th., at 9, and a weekly section to be arranged. EXAM GROUP: 11

Focuses on the nordic world (Denmark, the Faroes, Finland, Iceland, Norway, and Sweden) in the 20th century, but begins with early 19th-century nationalist aspirations tied to folklore collecting and literary movements (e.g., the *Kalevala*). Examines the “valorization” of peasant culture, pre-Christian paganism, and other aspects of nordic cultural history in a wide variety of cultural monuments (e.g., paintings, museum displays, films, and literary works). Traces the question of who shapes public perceptions of “national cultures” in Scandinavia in selected periods, including the Nazi occupation, the “sex, suicide, and socialism” stereotype of the 60s, and contemporary settings (e.g., the Olympic Games).

Note: Expected to be omitted in 2001–02.

Foreign Cultures 80. The Cultural Identities of Modern Korea

Catalog Number: 8798

David McCann

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Surveys the development of Korean cultural identity in literature, art, music, and the writing of history from the first unified kingdom, Silla, in the 7th century, through the succeeding Koryô and Chosôn kingdoms, and into the first half of the 20th century. Then examines modern Korea—the Japanese colonial occupation, 1910–1945; liberation, division, and the Korean War, 1945–1953; the separate cultural regimes in north and south; and hopes for reunification—in the context of its cultural productions.

Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture

Catalog Number: 2619



William E. Granara

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

A historical overview of cultural and social issues in contemporary Arab society as reflected in modern fiction. Attention will be given to the development of the novel and short story as literary media that treat themes such as the conflict between tradition and modernity, anti-colonialism, nationalism, civil war, poverty, alienation, religion and politics, and changing gender roles. Readings will include works of Tayeb Salih, Naguib Mahfouz, Muhammad Choukri, as well as prominent women authors, such as Hanan Shaykh and Sahar Khalifeh.

Note: Expected to be omitted in 2001–02. No knowledge of Arabic required.

Cross-listed Core courses that satisfy the Foreign Cultures requirement

The following courses fully listed in the Historical Study A area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Historical Study A, but not both.

[Historical Study A-13. China: Tradition and Transformation]

Historical Study A-14. Japan: Tradition and Transformation

Historical Study A-15. Politics and Society in the Making of Modern India

[Historical Study A-23. Democracy, Equality, and Development in Mexico]

[Historical Study A-74. Continuity and Change in Contemporary China: The People's Republic and Taiwan in the Modern World]

The following courses fully listed in the Historical Study B area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Historical Study B, but not both.

[Historical Study B-60. France's Decline and Renovation (1934–1946)]

[Historical Study B-64. The Cuban Revolution, 1956–1971: A Self-Debate]

The following courses fully listed in the Literature and Arts C area of the Core Curriculum may be taken to meet the Core requirement in Foreign Cultures or in Literature and Arts C, but not both.

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

Departmental courses that satisfy the Foreign Cultures requirement

The following departmental course may be taken to meet the Foreign Cultures requirement. This course is not necessarily designed for a general audience; it may assume prior experience or more than could be expected of students seeing the subject for the first time.

Chinese Literature 130. Screening Modern China: Chinese Film and Culture

Historical Study

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Historical Study is to develop students' comprehension of history as a form of inquiry and understanding. The courses fall into two groups representing two emphases in historical study.

Historical Study A



Courses in Historical Study A are designed to help the student understand, through historical study, the background and development of major issues of the contemporary world. These courses illustrate the way in which historical study helps make sense of some of the great issues—often problematic policy issues—of our own world. The courses focus on the sequential development of issues whose origins may be quite distant from the present but whose significance is still profound in the world in which students live today.

Historical Study B

Courses in Historical Study B focus closely on the documented details of some transforming event or group of events. They aim to develop an understanding of the complexity of human affairs, of the way in which a variety of forces—economic, cultural, religious, political—have interacted with individual aspirations and with the deliberate efforts of individuals to control and shape events in specific contexts and historical moments. They are sufficiently delimited in time to allow concentrated study of primary source materials.

Historical Study A

Historical Study A-12. International Conflict and Cooperation in the Modern World

Catalog Number: 5129

Andrew Moravcsik and Stanley Hoffmann

Half course (spring term). Tu., Th., 10–11:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 12, 13

Why do states wage war? Why do they cooperate? Have the answers changed historically? Are economic globalization, ecological interdependence, and global civil society eroding traditional state sovereignty? Or do nationalism, protectionism, and power politics firmly limit the spread of world order? The course begins with the Peloponnesian War, the European state system, imperialism, the spread of free trade, and the two World Wars. It continues after 1945 with the spread of democracy and human rights, trade liberalization, international law, and ecological cooperation, as well as enduring sources of conflicts like the Cold War, nuclear weapons, civil strife, and rogue states.

[Historical Study A-13. China: Tradition and Transformation]

Catalog Number: 5243

Peter K. Bol and William C. Kirby

Half course (fall term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Modern China presents a dual image: a society transforming itself through economic development and social revolution; and the world's largest and oldest bureaucratic state, coping with longstanding problems of economic and political management. Whatever form of modern society and state emerges in China will bear the indelible imprint of China's historical experience, of its patterns of philosophy and religion, and of its social and political thought. These themes are discussed in order to understand China in the modern world, and as a great world civilization that developed along lines different from those of the Mediterranean.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.



Historical Study A-14. Japan: Tradition and Transformation

Catalog Number: 5373

Mikael Adolphson and Andrew Gordon

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

The history of Japan from earliest settlements to the present. Japan's pre-modern history presents the challenge of understanding distinctive forms of political activity and social relations, from court noblemen and women to samurai warriors, as well as religious traditions of great depth and literatures of unusual range and power. Japan's modern history presents one of the most striking transformations in world history. For better and sometimes for worse, people in Japan since the mid-19th century have come to share in the dilemmas of modernity that challenge us all. The course examines the pre-modern and modern history of both institutions and ideas, with emphasis on reading selected literary documents as well as historical writings.

Note: For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-15. Politics and Society in the Making of Modern India

Catalog Number: 8301

Pratap Bhanu Mehta and Devesh Kapur

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

This course examines the complex dynamics of India's emergence and continuation as a vibrant if contentious democracy. It examines the ways in which the Indian democratic experience has shaped and been shaped by its society and economy by asking questions such as: how do India's "traditional" institutions adapt or fail to adapt to modern circumstances? How does it weave itself together as a nation? What is the relationship between its politics and economic outcomes? What are the strengths and vulnerabilities of its institutions?

Note: Expected to be omitted in 2001–02. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

[Historical Study A-17. Modern Political Ideologies]

Catalog Number: 2692

Stanley Hoffmann and Pratap Bhanu Mehta

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Examines those ideas that moved large numbers of people in Europe and America to organized political action in the 19th and 20th centuries, such as democracy, liberty, nationalism, populism, socialism, authoritarian and totalitarian ideas.

Note: Expected to be given in 2002–03.

Historical Study A-18. Science and Society in the 20th Century

Catalog Number: 5693

Everett I. Mendelsohn

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

Case studies focus on the atom, the gene, the environment, and the computer. The changing nature of the scientific enterprise, its intellectual structures, and its social relations are examined.



Aspects of science and war, science and the state, science and totalitarianism, and science and industry are treated. Additional topics include science and inequality; race and gender; and the competition for human and material resources.

Note: Expected to be omitted in 2001–02.

[Historical Study A-23. Democracy, Equality, and Development in Mexico]

Catalog Number: 6861

John H. Coatsworth

Half course (fall term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6

Mexico has achieved high levels of democratic participation, social equality, and economic growth in the past, but has never managed to achieve all three at the same time. This course explores how history as a mode of inquiry and understanding can illuminate Mexico's contemporary challenge, that of overcoming underdevelopment, inequality, and authoritarianism all at the same time. The course also addresses Mexico's complex and ambivalent relationship to external powers, particularly the United States, but only to the extent that doing so can contribute to understanding these three contemporary problems.

Note: Expected to be given in 2002–03. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-27. Reason and Faith in the West

Catalog Number: 8149

Ann M. Blair

Half course (fall term). M., W., F., at 12, and a weekly section to be arranged. EXAM GROUP: 5

Examines from a historical perspective one of the central themes in the Western intellectual tradition: the desire to reconcile rational philosophy with religious and biblical authority.

Discusses the transformations in conceptions of reason, science, biblical interpretation, and divine intervention (among other themes) in the context of the long period of change from medieval to modern. Readings emphasize primary sources—for example: Aquinas, Galileo, Descartes, Newton, Spinoza, and Darwin—but also pay some attention to the historiography on “science and religion.”

Note: Expected to be omitted in 2001–02.

[Historical Study A-33. Women, Feminism, and History]

Catalog Number: 3555

Laurel Thatcher Ulrich

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

From Christine de Pisan in the 14th century to Virginia Woolf in the 20th, women writers have used history to question seemingly unchangeable differences between the sexes. This course examines classic works in Western feminism in the light of contemporary scholarship in women's history. It emphasizes the range and variety of feminist appropriations of the past, from storytelling to legal briefs, and considers the strengths and pitfalls of historical argumentation. Discussion will focus on close analysis of primary materials.

Note: Expected to be given in 2001–02.



[Historical Study A-34. Medicine and Society in America]

Catalog Number: 1552

Allan M. Brandt

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
Surveys major developments in the history of American medicine since the discovery of the New World. Emphasis placed upon setting the practice of medicine as well as the experience of health and disease into broad social, cultural, and political contexts. Topics include the social and cultural impact of epidemic disease; the nature of demographic and epidemiological change; the development of medical therapeutics and technologies; the growth of health care institutions; the rise of the medical profession; and debates about the allocation of health care resources. Evaluates the role of medicine in addressing social needs as well as the social and economic determinants of patterns of health and disease.

Note: Expected to be given in 2001–02.

Historical Study A-35. Democracy in America and Europe

Catalog Number: 9060

James T. Kloppenberg

Half course (spring term). Tu., Th., 11:30–1, and a weekly section to be arranged. EXAM GROUP: 13, 14

For most of Western history democracy was reviled as mob rule, yet it now commands almost universal approbation. What happened? We will seek to understand that transformation by examining the history of democracy in theory and practice from the 16th century to the present. Readings will include classic European and American texts that explain, defend, and criticize democracy as a political system and as an ethical ideal. Lectures will examine the various contexts—biographical, national, and cultural—surrounding debates over the desirability of democracy and explore the shifting meanings of the democratic ideals of freedom and equality in relation to changing attitudes and practices concerning social hierarchy, race, and gender.

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

Catalog Number: 5423

Cemal Kafadar

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Nine centuries of interaction between two neighboring world civilizations centered around the Mediterranean basin. Examines the transformation of the terms of coexistence and competition over time from an asymmetry in favor of the Islamic world to one favoring Europe in terms of power and prestige. Surveys major events and broad patterns of human activity (wars, migrations, conversions, trade, cultural exchange); compares institutions and worldviews; studies the variety of ways in which the two civilizations perceived and imagined each other. Focus on common roots and mutual influences. Analysis of (mis)perceptions as historically constructed cultural categories and of their legacy in the modern world.

Note: Expected to be given in 2001–02.

Historical Study A-51. The Modern World Economy, 1873–2000

Catalog Number: 1263



Jeffry Frieden

Half course (fall term). M., W., 2–3:30, and a weekly section to be arranged. EXAM GROUP: 7, 8

The past 125 years have seen more rapid economic growth, and more global economic integration, than ever before. Yet the gap between rich and poor countries has widened, and “globalization” has alternated with attempts at national self-sufficiency under fascist, communist, and other banners. The course explores the impact of technological, economic, social, and political trends, at both global and national levels, on the development of the world economy since 1873. Topics include free trade and the gold standard in the 19th century, European colonialism, the depressions of 1873–1896 and 1929–1939, and the postwar economic order.

[Historical Study A-53. The Chinese Revolutionary Tradition]

Catalog Number: 1667

Elizabeth J. Perry

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

The Chinese revolutionary tradition began with peasant uprisings in the mid-19th century and continues to this day. From late imperial times to the present, a steady stream of dramatic revolutionary efforts have exerted a major impact on the direction of Chinese politics. This course examines continuities and changes across successive phases of the process: the quasi-Christian Taipings, the anti-Christian Boxers, the 1911 Revolution, the rise of Communism, Mao’s Cultural Revolution, the 1989 Tiananmen Uprising, contemporary tax riots and labor strikes, etc. It focuses on ways in which earlier repertoires of contentious politics have influenced the aspirations and actions of later generations of protesters.

Note: Expected to be given in 2001–02.

[Historical Study A-70. International History: The Last Century]

Catalog Number: 2517

Akira Iriye

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the contemporary world against the background of international relations since the 1890s. Topics include European imperialism and decolonization, the origins and consequences of the two World Wars, the Americanization of the globe, and the rise of a multicultural world. Stresses the interplay of states and non-state actors.

Note: Expected to be given in 2001–02.

[Historical Study A-73. The Political Development of Western Europe]

Catalog Number: 8261

Peter A. Hall

Half course (fall term). Hours to be arranged.

A survey of the creation of modern politics in Britain, France, Germany, and Italy from the feudal period to the 20th century, focusing on the causes and consequences of crucial developments such as the English and French Revolutions, the Industrial Revolution, 19th-century democratization, and the appearance of fascism. Emphasizes the usefulness of comparative, historical analysis for understanding the origins of contemporary politics and competing approaches to understanding the processes of change associated with the development



of the modern state.

Note: Expected to be given in 2001–02.

[Historical Study A-74. Continuity and Change in Contemporary China: The People's Republic and Taiwan in the Modern World]

Catalog Number: 0893

William C. Kirby

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

What are the enduring problems of modern China? How do different Chinese governments confront them? This course assumes that the basic question of the 20th-century China remains unanswered: what kind of government, society, and economy will ultimately replace the old imperial system? Part I defines basic themes: quests for national unity and international importance; population and ecological pressures; competition between capitalism and socialism; problems of democracy in Chinese political culture. Part II contrasts the revolutionary experiments of two “new Chinas” after 1950. Part III discusses contemporary reforms in the P.R.C. and Taiwan, and explores the future of “Greater China,” in the light of its past.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

[Historical Study A-76. Germany 1871–1990: From Unification to Reunification]

Catalog Number: 3594

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the forces that have shaped modern German history from the Empire created in 1871, through the Weimar Republic and Third Reich, to division and reunification. The continuities as well as discontinuities of this history provide a major theme, particularly the roots of the Nazi period and the question of how far the two postwar Germanys broke with the past. The course is built around three interrelated themes: politics, economy and society, and culture. The principal focus is domestic affairs, but the nature of the “German question” means that attention is given to the international dimension where appropriate.

Note: Expected to be given in 2001–02.

Historical Study A-77. The Emergence of Modern China, ca. 1600-2000

Catalog Number: 0541

Philip A. Kuhn

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

China's development from empire to nation has provoked Chinese in many walks of life to ask, “How much of our old culture must we give up to become a strong modern state?” This course will explore not only what has been lost since the 17th century, but also what has been retained or transformed. We shall examine how, over four centuries of history, Chinese struggled to cope with the modern world and learned to address old problems in modern terms. To introduce the people who lived through these transformations, readings will emphasize primary sources in translation.

Note: Expected to be omitted in 2001–02.



Historical Study A-80. The Cold War

Catalog Number: 5222

Ernest R. May

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

The East-West Cold War that followed World War II forms the background for all thinking about current and future international relations. This course surveys the Cold War's origins and development, the crises at its climax, and the course of events from the subsequent détente down to the present.

Note: Expected to be omitted in 2001–02.

[Historical Study A-81. Chinese Emigration in Modern Times]

Catalog Number: 0303

Philip A. Kuhn

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Explores one of the great historic migrations, from the 16th century to the present. Topics include: how migration was related to conditions of late imperial Chinese society; how Chinese interacted with European empires in Southeast Asia and with native peoples; how they developed their economic roles in host societies; and how acculturation and conflict shaped their identities. The experience of Chinese migrants to North America is placed in a world context. Readings emphasize the analysis of primary sources in English.

Note: Expected to be given in 2001–02.

[Historical Study A-83. Civic Engagement in American Democracy]

Catalog Number: 2361

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Are Americans withdrawing from public life, or just engaging shared concerns in new ways? Changes in U.S. civil society and democracy are lively topics of debate, with attention usually restricted to the period since the 1960s. A longer-term perspective can sharpen our sense of what is changing and why. Drawing on primary and secondary sources, this course considers how America became a “nation of joiners” and the world’s first mass democracy. The course surveys voluntary associations and political changes from the 19th century through the social movements of the 1960s and 1970s, culminating in a reexamination of the health of American democracy today.

Note: Expected to be given in 2001–02.

Historical Study B

Historical Study B-04. Ancient Greek Democracy

Catalog Number: 6791

Eric W. Robinson

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course examines the origin, essential nature, and importance of ancient Greek democracy, which first took shape in the city-states of Greece over 2500 years ago. The first part of the



course looks at the development of democracy, beginning with the earliest signs of pan-Hellenic egalitarianism and ending with the appearance of fully democratic governments in Athens and elsewhere. The second part considers the ideals and institutions of ancient democracy in the context of Greek society as a whole. Herodotus, Thucydides, Aristotle, and other ancient sources will be read in translation along with modern scholarly interpretations.

Note: Expected to be omitted in 2001–02.

Historical Study B-09. The Christian Revolution

Catalog Number: 6389

Christopher P. Jones

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

The course studies the formative period of Christianity as a historical phenomenon. The course begins with the social and political background, and then considers the person of Jesus of Nazareth, how his teaching was developed by his followers, how they built up a “church” of believers, and how Judaism and Christianity were intertwined not only in the person of Jesus but in the history of the two faiths in the decades following the destruction of the Temple. The overall aim is to see how historical methods can be used to explain phenomena which, viewed on their own terms, transcend explanation.

Note: Expected to be omitted in 2001–02.

[Historical Study B-11. The Crusades]

Catalog Number: 0434

Angeliki E. Laiou

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

Examines the decision to launch the First Crusade (1095); Pope Urban II’s motivations; the condition of the church in the Western world and the development of the idea of holy war. Studies the consequences of the First Crusade; expansion of Western Europeans into the Eastern Mediterranean and the Balkans; the development of the crusading movement through the Fourth Crusade (1204); and the permanent transformation of East-West relations resulting from the conflict and coexistence of various peoples whom the Crusades brought together. Considers the relations among political, economic, and religious factors and the consequences in cultural and material spheres. Readings focus on sources in translation.

Note: Expected to be given in 2001–02.

Historical Study B-13. Charlemagne and the Birth of Medieval Civilization

Catalog Number: 2567

Michael McCormick

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged.

For 200 years, the family of Charlemagne welded together the disparate fragments of a fallen Roman Empire and free Germania. The result was a new civilization, called Europe; a new cultural movement, called Renaissance. “Charlemagne” investigates how a new civilization arose in the countryside and in the conquests of the 8th and 9th centuries A.D. with consequences that endure down to our own time. But “Charlemagne” is also about historical analysis: the techniques by which today’s historians wrest new data and insights from manuscripts,



memorandums, and mud to rediscover the lives of the men and women who created the first European civilization.

[Historical Study B-18. The Protestant Reformation]

Catalog Number: 0623

Steven Ozment

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

In the 16th century, hundreds of thousands of people surrendered religious beliefs, practices, and institutions that had organized daily life and given it meaning for the greater part of a millennium. “The Protestant Reformation” attempts to explain why this happened and how it changed the course of history. Lectures and readings concentrate on seven major areas: (1) the “causes” of the Reformation; (2) its inception and development in representative cities and lands; (3) competing theologies and social philosophies; (4) the variety of linguistic and visual propaganda; (5) the impact on contemporary society and culture; (6) the Catholic response; (7) the Reformation’s legacy to the modern world.

Note: Expected to be given in 2001–02.

[Historical Study B-19. The Renaissance in Florence]

Catalog Number: 4631

James Hankins

Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

The Renaissance has been described by historians as a revival of antiquity, as a revolt against the Middle Ages, and as the beginning of the modern world. This course examines these claims in the context of a detailed examination of the society and culture of Florence, the most important Renaissance center, from the time of Dante to the time of Machiavelli.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Historical Study B or Literature and Arts C, but not both.

[Historical Study B-27. The English Revolution]

Catalog Number: 5234

Mark A. Kishlansky

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

Explores the causes, development, and consequences of the English Revolution of the 17th century. The English Revolution is one of the pivotal events in Anglo-American and European history. It marks the first constitutional challenge to an absolute monarch and is the crucial forerunner to the American and French Revolutions. Studies the origins of a revolutionary crisis, the dynamics of revolutionary change, and the actions and aspirations of revolutionaries within the context of 17th-century English society. Readings, drawn from contemporary and historical literature, include works by Milton, Hobbes, Clarendon, and Pepys. Discussion sections focus on reading primary materials.

Note: Expected to be given in 2001–02.



Historical Study B-35. The French Revolution: Causes, Processes, and Consequences

Catalog Number: 0525

Patrice Higonnet

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

The cultural, social, and political life of France before 1789; the rise of a public sphere; the Revolution in its development from the decentralized “consensus” of 1789 to Jacobin terrorism in 1793–94; the structures of Jacobin thought; the ideological, social, and administrative effects of the Revolution in France. The roles of Mirabeau, the Montagnards, the Girondins, Robespierre, Babeuf, and Napoleon are considered, as well as more general themes such as the effect of public opinion and the redefinition of gender roles.

Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America

Catalog Number: 2264

Laurel Thatcher Ulrich

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

When Thomas Jefferson listed the “pursuit of happiness” as one of the inalienable rights of humankind, he offered future generations an evocative but elusive vision of the good society. This course explores the competing visions of “happiness” that animated political and social life in the half century surrounding the American Revolution. Was happiness best achieved through collective commitment to public good? Through submission to God? Or in the possession of property and the cultivation of private affections? And what happened when happiness became misery or its pursuit provoked political rebellion, riot, scandal, and crime?

Note: Expected to be omitted in 2001–02.

[Historical Study B-42. The American Civil War, 1861–1865]

Catalog Number: 3386

William E. Gienapp

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An examination of the experiences of both the North and the South during the Civil War and the legacy of the war for the United States. Topics include the origins of the war, Abraham Lincoln and Jefferson Davis as war leaders, Union war aims and emancipation, dissent and opposition to the war in the Union and the Confederacy, the Confederate transformation of the South, the northern and southern home fronts, race, the spiritual and economic costs of the war, and the imprint of the war on American politics, society, and values. This is not a course in military history.

Note: Expected to be given in 2001–02.

[Historical Study B-46. The Darwinian Revolution]

Catalog Number: 5988

Everett I. Mendelsohn

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

An examination of the intellectual structure and social context of ideas of evolution as they developed in the 19th and 20th centuries. Topics include the backgrounds to various forms of



evolutionary thought; Darwin's methodology; the relations between biological and social evolutionary thought; the comparative reception of Darwinian evolutionary theory in Great Britain, France, Germany, Russia, and the U.S.; social Darwinism, eugenics, biological determinism, race, religion, conflict and cooperation.

Note: Expected to be given in 2001–02.

Historical Study B-52. Slavery and Slave Trade in Africa and the Americas

Catalog Number: 3834

Emmanuel K. Akyeampong

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

This course begins with the question of terminological precision and the definition of slavery and other forms of servile labor—especially in Africa. The course then examines the institution of slavery in Africa and the Americas within this wider historical context, analyzing the political-economies and ideologies that underpin slavery and the crucial role of slave trade in reproducing slave communities that were barely able to reproduce themselves naturally. The course explores the impact of slavery on political, economic, social, and cultural life in Africa and the Americas and ends with a discussion of the legacy of slavery and the global nature of the African diaspora.

Note: Expected to be omitted in 2001–02.

[Historical Study B-53. World War and Society in the 20th Century: World War I]

Catalog Number: 4388

Charles S. Maier

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Viewed together, the two world wars shattered Germany's bid for European domination, revolutionized Russia and extended her influence over Eastern Europe for over 40 years, helped dissolve the colonial empires and create the modern welfare state, and made the United States the world's preeminent power. Historical Study B-53 and B-54 examine the problem of war origins; grand strategies of the combatants and the actual nature of fighting; organization of war economies; response of writers and intellectuals; and the nature of the peace settlements and legacies for postwar culture and politics. This course also focuses on the issue of inevitability; the static trench combat; transformation of the state; demographic effects; literary perception and political radicalization of Left and Right; postwar bitterness and disillusion.

Note: Expected to be given in 2001–02.

Historical Study B-54. World War and Society in the 20th Century: World War II

Catalog Number: 6497

Charles S. Maier

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the failure of the Versailles system, the Pacific conflict after 1937, the continental European war of 1939–41, the vast coalition struggle of 1941–45, and the bipolar postwar settlement. Topics include the strategic demands of multifront warfare; the role of city bombing, intelligence, and partisan warfare; occupation regimes, collaboration and resistance; America's "good war"—the politics and culture of the home fronts; war costs, including the civilian toll; postwar purges, liberation movements, and commemoration.

Note: Expected to be omitted in 2001–02.


[Historical Study B-57. The Second British Empire]

Catalog Number: 6756

Susan Pedersen
Half course (spring term). Hours to be arranged.

This course explores the course and nature of the British empire from the late 18th century until the period after World War II. Three main issues are addressed: the character and causes of imperial expansion; the nature and impact of imperial rule; and the process of decolonization. Using essays, diaries, letters, fiction, artistic representations and film, students seek to understand both the imperial experiences of particular colonies (especially India, Ireland, New Zealand, and Kenya) and the creation of an “imperial culture” within Britain itself.

Note: Expected to be given in 2001–02.

[Historical Study B-60. France’s Decline and Renovation (1934–1946)]

Catalog Number: 5393

Stanley Hoffmann
Half course (spring term). Tu., Th., 2–3:30, and a weekly section to be arranged. EXAM GROUP: 16, 17

The decadence and rebirth of France in the 20th century. The decline and destruction of the Third Republic confronted with the Great Depression, the social, political, and intellectual divisions around the Popular Front, and Nazi Germany. The Vichy regime’s attempts at domestic counterrevolution and external collaboration with Germany. The liberation of France by the Resistance movements and General de Gaulle. Successes and limits of post-Liberation political, economic, and social transformations, and of France’s intellectual and diplomatic adaptation to a world dominated by the Cold War and the revolt against colonialism. Special emphasis on historical controversies and on the moral dilemmas faced by the French. Readings include memoirs and literary works.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Historical Study B or Foreign Cultures, but not both.

[Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969]

Catalog Number: 6840

Morton J. Horwitz (Law School)

Half course (fall term). M., W., F., at 12, and a weekly section to be arranged. EXAM GROUP: 5
 Examines the significance of the Supreme Court during the Chief Justiceship of Earl Warren in the broader context of the development of American thought and society. Explores the basic premise that the Warren Era represented not only a major constitutional revolution but that it produced a fundamental transformation in the conception of the role of law in American society. Subjects to be studied are *Brown v. Board of Education*, the Civil Rights Movement, and the history of race relations; McCarthyism and civil liberties; the emergence of a right to privacy in *Griswold v. Connecticut*; and the “rights” revolution in jurisprudence.

Note: Expected to be given in 2001–02.

[Historical Study B-64. The Cuban Revolution, 1956–1971: A Self-Debate]

Catalog Number: 6974

Jorge I. Domínguez
Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3



Focus on the insurrectionary war, the consolidation of power, Fidel Castro's role, the role of organized labor and the peasantry, the U.S.-Cuban conflict, the alliance with the Soviet Union, the choice of economic strategy, the "remaking of human beings," the role of intellectuals, the support for revolutions in Africa and Latin America, and the change toward "orthodox" policies. The instructor will debate himself, presenting two or more views on each issue. Readings include original documents in translation.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Historical Study B or Foreign Cultures, but not both.

Historical Study B-67. Japan's Modern Revolution

Catalog Number: 4164

Daniel V. Botsman

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Examines the causes and consequences of one of the most important events in modern world history —Japan's transformation from feudal state to imperialist power. The class begins with a consideration of *samurai* rule during the Tokugawa period (1600-1868) and the social changes that resulted from over two centuries without war. We then examine the impact of Japan's forcible incorporation into a "modern world system" in the mid-19th century, the radical reforms implemented in the wake of the Meiji Restoration of 1868, and the beginning of Japanese imperialism in Asia. Discussion sections focus on a broad array of primary documents in translation.

Note: Expected to be omitted in 2001–02.

Historical Study B-68. America and Vietnam: 1945–1975

Catalog Number: 3447

Hue-Tam Ho Tai and Ernest R. May

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Examines modern conflicts in Vietnam and their implications for the United States from 1945–1975, from both Vietnamese and American perspectives. Seeks to provide an understanding of the complexity of the war and the ethical dilemmas it raised by examining issues ranging from the power-politics assumptions of decision makers to the personal experiences of those caught in the war. Covers both background and consequences of the war, but the main focus is on the 30-year period during which the fortunes of America and Vietnam became intertwined.

Note: Expected to be omitted in 2001–02.

Cross-listed Core courses that satisfy the Historical Study B requirement

The following course fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Historical Study B or in Foreign Cultures, but not both.

Foreign Cultures 48. The Cultural Revolution

The following courses fully listed in the Literature and Arts C area of the Core Curriculum may be taken to meet the Core requirement in Historical Study B or in Literature and Arts C, but not both.

Literature and Arts C-42. Constructing the Samurai **[Literature and Arts C-61. The Rome of Augustus]**



Departmental courses that satisfy the Historical Study B requirement.

The following departmental course may be taken to meet the Historical Study B requirement. This course is not necessarily designed for a general audience; it may assume prior experience or more than could be expected of students seeing the subject for the first time.

History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650

Literature and Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Literature and Arts aim to foster a critical understanding of artistic expression, and to exemplify the ways in which the humanities are an arena for scholarly examination and discussion. These courses illustrate and analyze what constitutes knowledge in the various fields—its varieties, forms, scope, uses and abuses, and modes of interpretation—while familiarizing students with major works, major themes, or clusters of creative achievement in particular times and places.

Literature and Arts A

Focuses on literary texts and methods of literary analysis. Courses in this area offer a variety of critical and analytical approaches to literature, and a range of responses to questions such as the following: How does literature function? How are literary genres and traditions constituted and transformed? What are the relations among author, reader, text, and the circumstances in which the text is produced? How is our reading of the literature of the past influenced by the concerns of the present?

Literature and Arts B

Introduces students to a non-literary form of expression, and offers instruction in the elements of either visual or musical understanding, in the discipline of looking or listening. In addition to studying the articulation of visual or musical forms and their meanings, courses may emphasize the relationship between artistic or musical production and the historical/cultural moment in which it takes place.

Literature and Arts C

Studies creative cultural epochs in history, and explores how works of literature and art function within a given society. Focusing on significant periods, styles, or movements, these courses describe and analyze ways in which culture is produced, interpreted, and disseminated.

Literature and Arts A

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

Catalog Number: 0691

Judith Ryan



Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15
An exploration of the theme of reading as presented in the novel from the 18th century to the present. Topics include misreading and escapist reading, confusing fiction with reality, modeling one's life on fiction, and misusing literature in relations of love and friendship. Attention also paid to narrative point of view, problems of intertextuality, and comedy, tragedy, and parody in the novel. Authors include Goethe, Flaubert, Fontane, Wharton, Sartre, Nabokov, Brookner, Barnes, and Ackroyd.
Note: Expected to be given in 2001–02.

[Literature and Arts A-18. Fairy Tales, Children's Literature, and the Culture of Childhood]

Catalog Number: 7478

Maria Tatar

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

Analyzes cultural production for children in the larger context of childrearing practices and educational theories. Addresses issues such as the folkloristic and literary representation of the child, the relationship between teller/author and audience, and functional changes in fairy tales and children's books. The varying historical constructions of childhood, the role of parental and institutional interventions, and the disciplinary edge to children's literature are also examined. Authors include Charles Perrault, the Brothers Grimm, Hans Christian Andersen, John Locke, Rousseau, Charlotte Brontë, Lewis Carroll, J.M. Barrie, Henry James, William Golding, and others.

Note: Expected to be given in 2001–02.

[Literature and Arts A-20. Classics in Christian Literature]

Catalog Number: 1177

Robert Kiely

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

An examination of selected literary forms and thematic preoccupations of post-Biblical texts in the Christian tradition. Focuses on personal representations of religious experience—the search for faith, narratives of conversion, testimonies of belief, and confessions of doubt. Explores the relationships between aesthetic form (genre, style, voice) and a variety of individual efforts to interpret and reconfigure the claims of the gospels. Authors include Augustine, Teresa of Avila, Juliana of Norwich, Martin Luther, John Donne, Gerard Manley Hopkins, Dietrich Bonhoeffer, and T.S. Eliot.

Note: Expected to be given in 2001–02.

[Literature and Arts A-22. Poems, Poets, Poetry]

Catalog Number: 5808

Helen Vendler

Half course (fall term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

A study of poetry as the history and science of feeling: readings in major lyric poems of England and America. Emphasis on problems of invention and execution, and on the poet's choice of genre, stance, context, and structure. Other topics to be raised include the process of



composition, the situating of a poem in its historical and poetic contexts, the notion of a poet's development, the lyric as dramatic speech, and the experimental lyric of the 20th century.

Note: Expected to be given in 2001–02.

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World]

Catalog Number: 6090

Lino Pertile

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
Studies Dante's *Divine Comedy* as an enduring work of poetry, a major text of the European literary tradition, and the most comprehensive synthesis of medieval culture. Largely based on textual analysis, the course looks at how literature works in relation to, on the one hand, the language and rhetorical tradition in which it is expressed and, on the other, the culture which it expresses and interprets. Particular attention is paid to the poem's central philosophical concerns, from the role of the individual in history and society to the relationship between progress and happiness, and between politics and morality.

Note: Expected to be given in 2001–02.

Literature and Arts A-35. Tragic Drama and Human Conflict

Catalog Number: 0172

Bennett Simon (Medical School)

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3
Introduces the student to the use of psychoanalytic perspectives in enhancing the understanding and appreciation of tragic drama. Focuses on tragedy as a study of the family, emphasizing the problem of how the family at war with itself can procreate and continue. Also discusses the form of tragic drama, particularly with regard to dialogue and storytelling within the plays. Readings include ancient, Shakespearean, and modern tragedies, as well as secondary sources that assist in understanding psychoanalytic concepts. Films and live performances supplement the readings.

[Literature and Arts A-40. Shakespeare, The Early Plays]

Catalog Number: 0176

Marjorie Garber

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

The early comedies, tragedies, and histories, considered in the context of the origins of the English stage and the conventions of Elizabethan drama. Particular attention paid to Shakespeare's development as a dramatist, and to poetic expression, thematic design, stagecraft, and character portrayal in plays.

Note: Expected to be given in 2001–02.

Literature and Arts A-41. Shakespeare, The Later Plays

Catalog Number: 1624

Marjorie Garber

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

The late comedies, tragedies, and romances, with some attention to the prevailing literary traditions of the Jacobean period. Particular attention paid to Shakespeare's development as a



dramatist, and to poetic expression, thematic design, stagecraft, and character portrayal in the plays.

Note: Expected to be omitted in 2001–02.

[Literature and Arts A-48. The Modern Jewish Experience in Literature]

Catalog Number: 1250

Ruth R. Wisse

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13
Studies works in different languages and genres that variously interpret the experience of Jews in this century. Explores such issues as what information literature can provide, the relation of language and historical context to artistic strategy, and personal and national perspectives in narrative. Authors include Sholem Aleichem, Franz Kafka, Isaac Babel, Isaac Bashevis Singer, Shmuel Yosef Agnon, Primo Levi, Saul Bellow, and Cynthia Ozick.

Note: Expected to be given in 2001–02.

Literature and Arts A-58. Ethnicity, Modernity, and Modernism in 20th-Century Literature, Art, and Culture

Catalog Number: 0287

Werner Sollors

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Is the stress on ethnic diversity a form of resistance to, or a feature of modernity? How has aesthetic production been affected by the horrors of modernity, by violence and genocide? What is the relationship of modernism to democracy, fascism, and communism? These questions, complemented by ethnic theory, inform discussions of such texts as *The Life Stories of Undistinguished Americans* and such authors as Mark Twain, Gertrude Stein, Jean Toomer, Eugene O'Neill, Henry Roth, William Faulkner, Hisaye Yamamoto, LeRoi Jones/Amiri Baraka, Maxine Hong Kingston, Richard Rodriguez, and Gerald Vizenor.

Note: Expected to be omitted in 2001–02.

[Literature and Arts A-60. Aspects and Forms of Narrative]

Catalog Number: 1093

William Mills Todd III

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

An introduction to the analysis of narrative and examination of narrative forms and explanations. Topics include defining narrative, aspects of narrative, and types of narrative (e.g., literary, historical, psychoanalytic, legal). Readings feature narratives and theoretical essays.

Note: Expected to be given in 2001–02.

[Literature and Arts A-64. American Literature and the American Environment]

Catalog Number: 4783

Lawrence Buell

Half course (fall term). Tu., Th., at 9, and a weekly section to be arranged. EXAM GROUP: 11
A study of selected traditions in American writing that have been formed by perceptions of the American environment. Topics include the cult of wilderness; white images of the American



Indian and vice versa; the pastoral, agrarian, and natural history traditions in American prose; and literary responses to urbanization and environmental endangerment. Readings range from 17th-century Puritan texts to contemporary works, with primary emphasis on narrative and nonfictional prose, but some works of poetry are included as well.

Note: Expected to be given in 2002–03.

[Literature and Arts A-66. The Myth of America]

Catalog Number: 3545

Sacvan Bercovitch

Half course (spring term). Hours to be arranged.

Inquires into the mythic, aesthetic, and historical meanings of “America,” as represented in major literary works of the 19th and 20th centuries. Examines how these works embody, envision, revise, and respond to such central concepts and tropes of national purpose and identity as individualism, nature, progress, and the American dream; and how these concepts and tropes are affected in turn by historical developments and cultural conflicts.

Note: Expected to be given in 2001–02.

Literature and Arts A-68. Poets and Poetry in the Celtic Literary Tradition

Catalog Number: 3957

Patrick K. Ford

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the role of poets (i.e., “seers, prophets, satirists, singers of praise”) in the development of the Celtic literary tradition from antiquity through the Middle Ages and beyond. The focus is on the social function of literature, broadly defined, in the Celtic world, and the ways in which poets used their powers of praise and satire in the maintenance of social and political power. Of especial importance is the mythology of poetry, those narratives that tell how wisdom and poetry were first acquired and those that promulgate the magical powers of praise and satire.

Note: Expected to be omitted in 2001–02.

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

Catalog Number: 7991

Peter Machinist

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

An examination of the biblical book of Job along with related texts, ancient, medieval, and modern, that allow us to establish the literary and philosophical traditions in which Job was composed and the literary and philosophical legacy it has left. Particular focus on the ways the texts play off one another in literary form and expression and in their treatment of such themes as divine justice, human piety, and the nature of the divine-human encounter.

Note: Expected to be given in 2001–02.

Literature and Arts A-72. The Enlightenment Invention of the Modern Self

Catalog Number: 7800

Leo Damrosch

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP:

15



A study of major 18th-century autobiographical, fictional, and poetic texts that explore the paradoxes of the modern self at a time when traditional religious and philosophical explanations were breaking down. Writers to be read include Mme. de Lafayette, Boswell, Voltaire, Gibbon, Diderot, Rousseau, Laclos, Franklin, Goethe, Wollstonecraft, and Blake.

Note: Expected to be omitted in 2001–02.

Literature and Arts A-74. Other Worlds: Utopia and Anti-Utopia in Central and Eastern Europe

Catalog Number: 3089

Alfred Thomas

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
 Analyzes the cultural, political, and philosophical ramifications of central and eastern European utopia and anti-utopia. Includes discussion of such seminal examples of Czech, German, Polish, and Russian science fiction and film as Caapek's robot play *R.U.R.*, Lang's *Metropolis*, Lem's *Solaris* (as well as Tarkovsky's Russian film version), and Zamyatin's *We*.

Note: Expected to be omitted in 2001–02. All readings in English.

[Literature and Arts A-76. Five Japanese Portraits]

Catalog Number: 8909

Jay Rubin

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
 Exploring a broad variety of modern novels and stories in addition to plays, poems, and chronicles from earlier ages, the course will present five archetypal "portraits" developed in the medieval Noh theater—god, man, woman, lunatic, and demon—and trace their variations in texts and films treating themes of celebration, war, memory, madness, and awe.

Note: Expected to be given in 2001–02.

Literature and Arts A-78. The Vikings and the Nordic Heroic Tradition

Catalog Number: 7919

Stephen A. Mitchell

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
 Examines the heroic legacy resulting from the historical events in northern Europe A.D. 800 to A.D. 1100, concentrating on the medieval Icelandic sagas. The course focuses on how these texts present their heroes as warriors, kings, poets, outlaws and adventurers—as well as, to quote one 19th-century scholar, "farmers at fisticuffs." The course considers several specific heroic traditions, such as the "Bear's Son Tale" and the "Dragon-Slayer," over time, and reviews how the viking image is received and shaped in later periods (e.g., the poetry of 19th-century Denmark, the art of Victorian England, the scholarship and pseudo-scholarship of our contemporary world.) The elusive question of the North American colony of "Vinland" as a meaningful component of this legacy is examined in both its scientific and imaginative contexts.

Literature and Arts A-80. To Far Places: Literature of Journey and Quest

Catalog Number: 9297

William A. Graham, Jr.

Half course (spring term). Tu., Th., at 12, and a 90-minute weekly section to be arranged. EXAM GROUP: 14



Explores literary journeys, pilgrimages, and quests, including spiritual and allegorical as well as physical passages. Because the journey is a natural metaphor for life, its literature is immense; our small selection of texts comes typically from: *Gilgamesh*, *The Odyssey*, *The Aeneid*, Tolkien's *Hobbit*, the Bible, the Qur'an, *Pilgrim's Progress*, Ashvaghosha's *Buddhacarita*, Hesse's *Siddhartha*, Basho's *Narrow Road to Oku*, Attar's *Conference of the Birds*, Agnon's *In the Heart of the Seas*, Calvino's *Invisible Cities*, Frazier's *Cold Mountain*. Focus is on the texts, their literary-historical contexts, and important motifs of passage (e.g., separation, liminality, alienation, seeing, transformation, growth, suffering, homecoming, death).

Note: Expected to be omitted in 2001–02.

Cross-listed Core courses that satisfy the Literature and Arts A requirement

The following course fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Literature and Arts A or in Foreign Cultures, but not both.

Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture

Departmental courses that satisfy the Literature and Arts A requirement

The following course may be taken to meet the Literature and Arts A requirement. This course is not necessarily designed for a general audience; it may assume prior experience or more than could be expected of students seeing the subject for the first time.

English 150. English Romantic Poets

Literature and Arts B

[Literature and Arts B-10. Art and Visual Culture: Introduction to the Historical Study of Art and Architecture]

Catalog Number: 0149

Henri Zerner

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

A general introduction to an informed and critical experience of art and architecture, using specific cases to introduce concepts by which the visual arts can be analyzed and understood. Examples are taken from all times and places; most of them are recognized important works. While not attempting to cover the history of art chronologically, the course presents different approaches to art, develops visual discrimination, and examines how visual culture affects us and has functioned in different times and places.

Note: Expected to be given in 2001–02.

Literature and Arts B-21. The Images of Alexander the Great

Catalog Number: 2267

David Gordon Mitten

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

The images of Alexander the Great are examined within various cultural contexts ranging from 4th-century B.C.E. Greece to 20th-century America. Various art forms (including sculpture,



coins, and paintings) illuminate Alexander's personality and career and the development of his legend. Course explores how images reveal the complex relationship between a strong individual personality and artistic conventions. Special attention is paid to the importance of political imagery and how the images of Alexander reflect changing ideas of rulership. Where, if anywhere, is the "truth" in these images? Original objects in the Sackler collection and Boston Museum of Fine Arts are emphasized.

[Literature and Arts B-27. Majesty and Mythology in African Art]

Catalog Number: 5822

Suzanne P. Blier

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Examines the royal arts of Africa, at once providing an overview of key themes in royal African art and discussing what these arts reveal about the nature of kingship generally. The diverse ways that African rulers have employed art and architecture to define individual and state identity are considered in the context of key traditions from West, Central, Eastern, and Southern Africa. Among the topics to be discussed are palace architecture, royal regalia, status prerogatives, women of the court, divine kingship, state cosmology, royal burial, enthronement ceremonies, dynastic history, and the importance of art in diplomacy and war.

Note: Expected to be given in 2001–02.

Literature and Arts B-31. The Portrait

Catalog Number: 4240

Henri Zerner

Half course (fall term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

The most famous of all works of art is a portrait. Sculptors and painters have made likenesses of individuals since the ancient Kingdom of Egypt. The portrait gives visual form to changing conceptions of individual existence, and its history can make us more conscious of how time-bound, how culturally determined is our own sense of self. The course examines how artistic conventions are established to give visual and tangible form to intuitions, feelings, and thoughts. Examples taken from a variety of periods with greater emphasis on the Western tradition from the Renaissance to the present.

Note: Expected to be omitted in 2001–02.

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court]

Catalog Number: 1678

Gülru Necipoglu-Kafadar

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

"Golden Age" of Ottoman-Islamic visual culture in the 16th century, considered within its ceremonial and historical contexts, with focus on architecture, miniature painting, and the decorative arts. The urban transformation of Byzantine Constantinople into Ottoman Istanbul, the formation of an imperial architectural style, and artistic contacts with contemporary European and Islamic courts are stressed. Art and architecture of Safavid Iran and Mughal India are considered as a comparative backdrop. Themes include the role of centralized court ateliers



in propagating canons of taste, the emphasis on decorative arts in a culture that rejected monumental sculpture and painting, and representations of the East by European artists in the Orientalist mode.

Note: Expected to be given in 2001–02.

Literature and Arts B-44. The Architecture of Capital and Court in Western Europe, 1600–1800

Catalog Number: 3767

Alice G. Jarrard

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
 Examines architectural works in dialogue with the social, cultural, political, and technological forces that shape them. Rather than simply surveying the works of architects including Bernini, Borromini, Guarini, Juvarra, Piranesi, Le Vau, Mansart, Ledoux, Hawksmoor, and Wren, we will approach their buildings and projects by studying selective historical moments in Italy, France, England, and Spain. Themes considered: the creation of the capital city; dialectics between urban and pastoral modes; innovation and the interpretation of the past; printmaking and architectural publication; and the audiences and ritual uses of architecture.

Note: Expected to be omitted in 2001–02.

Literature and Arts B-46. Art in the Wake of the Mongol Conquests: Genghis Khan and His Successors

Catalog Number: 6029

David J. Roxburgh

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

Genghis Khan's legacy entailed the destruction of social and cultural order. Paradoxically, his empire forged a dynamic relationship between nomadic and sedentary societies and his successors fostered a climate of intense cultural activity in art and architecture, producing complex fusions of artistic traditions between the Middle East and China. Key works of art and architecture are studied as a process of cultural assimilation, as constructions of an evolving political structure and social order in the aftermath of the Mongol conquests (ca.1256-1506). Themes include patronage; production; art as political and ideological tool; tensions between nomadic and sedentary sources of prestige and legitimation.

Literature and Arts B-48. Chinese Imaginary Space

Catalog Number: 9186

Eugene Yuejin Wang

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

The course examines visual representations of imaginary space, i.e., alternative worlds or heightened modes of existence, such as heaven, paradise, numinous afterlife world, utopian land, immortal islets, fictive frontier, and mindscape, etc., as they are evoked in Chinese tombs, cave shrines, sarcophagus design, scroll paintings, calligraphy, gardens, architecture, and films. Modes of analysis are introduced to understand how different media effectively conjure up these other worlds and spaces. The course also explores how these imaginary worlds displace social reality and cultural aspirations. The ultimate goal is to enable the student to appreciate the crucial



role of space in the making of visual culture.

Note: Expected to be omitted in 2001–02.

Literature and Arts B-51. First Nights: Five Performance Premieres

Catalog Number: 0144

Thomas Forrest Kelly

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

A study of five famous pieces of music, both as timeless works of art and as moments of cultural history. Close attention is given to techniques of musical listening, and to the details of the first performance of each work, with a consideration of the problems involved in assembling such a picture. Works studied are Beethoven, *Symphony no. 9*; Berlioz, *Symphonie fantastique*; Stravinsky, *Le sacre du printemps*; Handel, *Messiah*; Monteverdi, *Orfeo*. The course concludes with the first performance of a new work especially commissioned for this course.

[Literature and Arts B-53. Sonata, Concerto, Sinfonia: Perspectives on Instrumental Music]

Catalog Number: 5668

Christoph Wolff

Half course (spring term). M., W., at 10 and a weekly section to be arranged. EXAM GROUP: 3

A discussion of emerging concepts, ideals, styles, genres, and functions of chamber and orchestral music. Examines the formative elements in the historically unfolding spectrum of a specifically instrumental musical language. Representative compositions from the early Baroque through the early 19th century (including works by Vivaldi, Handel, Bach, Haydn, Mozart, and Beethoven) studied in some detail.

Note: Expected to be given in 2002–03.

Literature and Arts B-54. Chamber Music from Mozart to Ravel

Catalog Number: 1487

Robert D. Levin

Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Examines selected masterworks of chamber music from the 1770s, when the distinctive timbres of Baroque instruments shaped composers' imaginations, to the beginning of the 20th century. Follows parallel developments in the technology of instrument making and growing performer virtuosity. Style and rhetoric are central concerns, and attention is given to the evolution in interpretative style through listening to historic, as well as recent, recordings. Selections from the assigned works are demonstrated in live performances.

Note: Expected to be omitted in 2001–02.

Literature and Arts B-55. Opera: Perspectives on Music and Drama

Catalog Number: 4956

Lewis Lockwood

Half course (spring term). T., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

An introduction to opera as an art form, exploring some of the ways in which it conveys dramatic action through musical form and expression. Examples drawn chiefly but not exclusively from



works by Mozart, Verdi, and Wagner.

Note: Expected to be omitted in 2001–02.

[Literature and Arts B-63. Bach in His Time and Through the Centuries]

Catalog Number: 1520

Christoph Wolff

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

A study of the music of J.S. Bach in various contexts. The discussion focuses on selected vocal and instrumental compositions of Bach (cantatas, motets, oratorios, concertos, sonatas, suites, preludes, and fugues) with particular attention to style, genre, and the music of major contemporaries. Beyond this, the encyclopedic nature of Bach's creative output, which renders him one of the most seminal figures in the history of music, lends itself to an examination of his relationship to musical traditions from the Middle Ages through the Baroque as well as his influence on compositional techniques and aesthetics from the 18th through the 20th centuries.

Note: Expected to be given in 2001–02.

Literature and Arts B-64. The Symphonic Century: Orchestral Music from 1820 to 1914

Catalog Number: 7707

Reinhold Brinkmann

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

The theory of the symphony reflected the aesthetics of the sublime, and the symphonic genres included works of extraordinary dimensions and complexity. The "symphonic intent" has always been to present in music the main ideas and concerns of people and society. Mahler: "To me, symphony means constructing a world with all technical means at one's disposal." Focus: the "social character" of symphonies; their function as "building society"; public dimension and institutional aspects; the role of the orchestra and, in particular: to understand important and challenging works by Schubert, Mendelssohn, Berlioz, Brahms, Tchaikovsky, Dvorák, Mahler, and Ives.

Note: Expected to be omitted in 2001–02.

[Literature and Arts B-65. Music in *Fin-de-siècle* Vienna: The Origins of Modernism]

Catalog Number: 7260

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

As a means to understand (through guided listening and its reflection) basic principles and major artistic ideas of 20th-century music in general, this course will offer a demonstration and discussion of a "new music" that originated in Vienna after 1900: music-historical place, aesthetics, genres, composers, and single works of the so-called Second Viennese School. Representative compositions by Mahler, Schoenberg, Webern, and Berg, but also by Johann Strauss, Jr., will be studied in some detail. Special attention: historical background, sociocultural conditions, and interdisciplinary context (visual arts, literature, criticism, philosophy, science).

Note: Expected to be given in 2001–02.

Literature and Arts B-78. Soundscapes: World Music at Home and Abroad

Catalog Number: 2093

Kay Kaufman Shelemay

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM

**GROUP: 4**

Many musical traditions at the turn of the 21st century cross geographic boundaries. Nowhere are world music traditions more prominently represented in public performance and maintained in private practice than in North America, where centuries of immigration and an increasingly multiethnic population have given rise to a complex musical environment. “Soundscapes” explores a cross-section of the different musical styles that coexist and interact in today’s society, examining their relationship to their historical homelands and to their present-day settings.

[Literature and Arts B-80. The Swing Era]

Catalog Number: 1899

*Robert D. Levin**Half course (spring term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM***GROUP: 6**

Examines American jazz from the early 1930s—by which time the migration of leading musicians from New Orleans and Kansas City to Chicago, New York and other metropolitan centers precipitated an evolution from the earlier Dixieland style—to the mid 1940s and the emergence of bebop. The essence of this period was swing—an elusive synthesis of foot-tapping rhythmic vitality with rhapsodic, soaring melodic invention. Investigates the relationship between arrangements and improvisation by comparing selected alternate takes. Considers sociological issues and the relationship of swing era jazz to classical music and popular song, to place swing’s achievements into a broader historical and musical perspective.

*Note: Expected to be given in 2001–02.***Literature and Arts C****Literature and Arts C-14. The Concept of the Hero in Greek Civilization**

Catalog Number: 3915 Enrollment: Limited to 140.

*Gregory Nagy**Half course (spring term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7*

The true “hero” of this course is the logos or “word” of logical reasoning, as activated by Socratic dialogue. The logos of dialogue requires careful thinking, realized in close reading and reflective writing. The last “word” in the course will come from Plato’s memories of Socrates’ last days. These memories depend on a thorough understanding of heroic concepts in all their historical varieties throughout Greek civilization. This course leads to such an understanding through dialogues, guiding the attentive reader through many ancient Greek Classics, including works by Homer, Hesiod, Sappho, Alcman, Pindar, Theognis, Aeschylus, Sophocles, Euripides, Herodotus, and Plato.

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage]

Catalog Number: 7384

*Diana L. Eck**Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12*

An exploration of Hindu myths, images, and pilgrimages in the context of classical and modern Hindu culture. Studies the stories of the gods of India: Vishnu, Krishna, Shiva, and Devi; the



heroes and heroines of the Ramayana and the Mahabharata; the temples and visual images of the gods and heroes in the classical and folk traditions; and the pilgrimages that link this mythological and artistic complex to the mountains, rivers, and cities of India.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

[Literature and Arts C-20. The Hero of Irish Myth and Saga]

Catalog Number: 7817

Tomás Ó Cathasaigh

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5

A study of the ways in which the hero is represented in early Irish sources, especially in the saga literature. The texts reflect the ideology and concerns of a society which had been converted to Christianity, but continued to draw on its Indo-European and Celtic heritage. The biographies of the Ulster hero, Cú Chulainn, of his divine father, Lug, and of certain king-heroes are studied in depth. The wisdom literature, and archaeological and historical evidence will be taken into account.

Note: Expected to be given in 2001–02.

Literature and Arts C-22. European Culture in the Middle Ages

Catalog Number: 2020

Jan Ziolkowski

Half course (fall term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Studies the culture—literary, artistic, and musical—that was produced and disseminated in the Middle Ages through the fusion of classical education with Christian scriptures and liturgy. Examines major authors and texts in which this culture took shape and expressed itself (such as Augustine, *Song of Roland*, Chrétien de Troyes, *Tristan*, and Dante's *Inferno*). Relates texts to art, especially manuscript illumination.

[Literature and Arts C-25. The Medieval Stage]

Catalog Number: 5114

Eckehard Simon

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

A study of major plays from medieval Europe (mainly France and England) and how they were staged in their original settings (churches, marketplaces, streets). Examines theater as worship and revelry in monasteries and cathedrals, as an expression of emerging town culture, and as a mass medium of religious instruction. Explores the architecture of theater spaces, different stage types, the “theater” of medieval art, and the role of music. Illustrated lectures. If there is interest in sufficient number, students will do research on and stage a medieval play.

Note: Expected to be given in 2001–02.

Literature and Arts C-28. Icon—Ritual—Text: Reading the Culture of Medieval Rus'

Catalog Number: 2798

Michael S. Flier

Half course (spring term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM

**GROUP: 4**

An introduction to the culture of the medieval East Slavs, precursors of the Russians, Ukrainians, and Belarusians. Exemplars of icon and fresco painting, architecture, ritual, music, folklore, and literature are analyzed in historical and social context for clues to the evolution of an apocalyptic worldview, extending from the Christianization of Rus' in the 10th century to the advent of Peter the Great at the end of the 17th century.

Note: Expected to be omitted in 2001–02. All readings in English.

Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture

Catalog Number: 7952

William Mills Todd III

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

An exploration in the Russian imperial period (18th-19th centuries) of the development of a secular literary tradition. Focus on institutions of literature, issues of literature and ideology, and the refraction of cultural problems in literary form. Reading of novels by Pushkin, Lermontov, Gogol, Turgenev, Dostoevsky, and Tolstoy in social and historical context.

Note: Expected to be omitted in 2001–02. No knowledge of Russian required.

Literature and Arts C-37. The Bible and Its Interpreters

Catalog Number: 1255

Gary Anderson (Divinity School)

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Seeks to acquaint students with the principal parts of the Hebrew Bible and to provide some exposure to the different ways in which the Bible has been read and interpreted in various periods, from late antiquity to modern times. To achieve this, the course concentrates on a group of central biblical figures whose stories are examined in the context of ancient Israelite history and society, and then compared with later, often fanciful, elaborations of these same biblical tales by Jewish and Christian interpreters.

Literature and Arts C-40. The Chinese Literati

Catalog Number: 5226

Peter K. Bol

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Examines from literary, philosophical, and historical perspectives the creation in later imperial China of an enduring national culture, which flourished through dynastic change and foreign conquest. Particular attention is given to the role of the literati and their work as poets, essayists, novelists, painters, moral philosophers, and political thinkers. Themes include the relation of culture to political authority, the search for grounds for individual autonomy, the literary and artistic representation of the self, growing ambivalence toward political service, and the rise of individualism. Introduces Chinese approaches to interpreting literary, artistic, and philosophical works.



Literature and Arts C-42. Constructing the Samurai

Catalog Number: 3743

Harold Bolitho

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Examines the rise and fall of Japan's warrior class, and of the *bushido* ethos. Concentrates on two interrelated themes: the historical reality, and the construction of a mythology—both positive and negative—in Japanese popular culture and the Western imagination. Themes will include warfare, training, religion, values, art, literature, and family life. Visual materials will be used extensively.

Note: For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-43. The Medieval Court

Catalog Number: 5794

Eckehard Simon

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged.

In the High Middle Ages (1100–1250), the European aristocracy created a court culture that became a permanent part of the Western heritage. We study this civilization by reading its greatest literature: the Roland epic, lyrics of the troubadours and minnesingers, the tales of Marie de France, the Arthurian and grail-quest romances of Chrétien and Wolfram, Gottfried's *Tristan*. To probe the complex interrelationship between literature and life, we look, in slide lectures, at the historical context: feudal society, castles and castle life, women and marriage, "courtly love," knights and chivalry, court art, major courts, notable lives.

Literature and Arts C-47. Language, Literature, and Power in the Early Modern Hispanic World (1492–1700)

Catalog Number: 2205

Mary Gaylord

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Studies relations between literature, historiography, and politics during Spain's imperial expansion. Examines writing as program and tool for conquest and as script for the encounters with an American "Other." Considers ways the New World experience reshaped European thinking about human nature, heroic identity, monarchy, utopias, and the powers of spoken and written words. Sources include legal and diplomatic documents, texts by Machiavelli, Erasmus, More, Montaigne, Columbus, Cortés, Vitoria, Las Casas, Díaz del Castillo, Cabeza de Vaca, Inca Garcilaso, Cervantes, Sor Juana Inés de la Cruz.

Note: Readings in English translation or in original languages.

[Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde]

Catalog Number: 6984

John E. Malmstad

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An introduction to the radical transformations of Russian culture between 1890–1930, with particular attention to the "isms," avant-garde and otherwise, that shaped society and the arts



during a period of rapid modernization and experimentation: Symbolism, Futurism, CuboFuturism, Suprematism, Constructivism. Focuses on developments in literature, art, music, ballet, and film, their interaction and relation to the historical context.

Note: Expected to be given in 2001–02. All readings in English. For students under the Core requirement, counts as either Literature and Arts C or Foreign Cultures, but not both.

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

Catalog Number: 7818

Susan R. Suleiman

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

An overview of Surrealism in the context of European culture and politics of this century. Focus on major works of writers, artists, and filmmakers associated with the Surrealist movement, chiefly in the period between the two world wars; some attention also paid to earlier works and movements, and to the influence of and reactions to Surrealism after 1945. Discussion of works by Breton, Aragon, Tzara, Lautréamont, Artaud, Eluard, Carrington, Bunuel and Dali, Dulac, Magritte, Tanning, Ernst, Man Ray, Bellmer, and others.

Note: Expected to be given in 2001–02.

[Literature and Arts C-61. The Rome of Augustus]

Catalog Number: 1101

R. J. Tarrant

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Roman culture and society in a period of radical transformation, the lifetime of the first emperor, Augustus (63 B.C.E.–14 C.E.). Focuses on the interplay between a new set of political realities and developments in literature, the visual arts, and the organization of private and social life. Readings (all in translation) from Catullus, Cicero, Virgil, Horace, Livy, Propertius, Ovid, and Tacitus, with special attention to the two great masterworks of the period, Virgil's *Aeneid* and Ovid's *Metamorphoses*. Most lectures illustrated with slides.

Note: Expected to be given in 2001–02. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

Catalog Number: 4312

Peter J. Burgard

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

Examines German and Austrian literature and art of the period 1880–1920 in terms of gender, sexuality, and language. Begins with readings of Nietzsche and Freud that establish the thematic parameters of investigation and that enable an understanding of the extent to which this period in cultural history is grounded in their ideas. Discussions of individual texts and paintings focus on how problems of gender, sexuality, and language both intersect and reflect one another in the literature and art of the age. Readings include Nietzsche, Freud, Ibsen, Schnitzler, Hofmannsthal,



Mann, Musil, Kafka. Artists include Klimt, Schiele, Kokoschka, Kirchner, Marc, Kandinsky.

Note: Expected to be given in 2001–02. No knowledge of German required.

Literature and Arts C-67. The German Colonial Imagination

Catalog Number: 9369

Judith Ryan

Half course (fall term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Representations of German colonialism in fiction and film. Consideration of the following topics: Bismarck's colonial policies; late 19th-century critiques of colonialism; controversies about the notion of the noble colonist; turn-of-the-century legal debates; National Socialism and its attempts to revive the idea of German colonialism; recent critiques of German colonialism.

Note: Expected to be omitted in 2001–02.

Literature and Arts C-69. Pompeii

Catalog Number: 8499

Rabun Taylor

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

Buried in an eruption in 79 AD and rediscovered only in the mid-18th century, the towns of Pompeii and Herculaneum offer modern visitors a panoramic view of Roman life. The forum, temples, baths, houses, shops, theaters, and streets weave a tattered tapestry still saturated with meaning today. Our task is to recover some of that meaning through the refractory lens of our modern minds. Using ancient literary texts and various analytical approaches, we will sample the rich visual and material legacy of Mt. Vesuvius, seeking through artifacts—some magnificent and others merely interesting—to recollect a way of life.

Cross-listed Core courses that satisfy the Literature and Arts C requirement

The following course fully listed in the Historical Study B area of the Core Curriculum may be taken to meet the Core requirement in Literature and Arts C or in Historical Study B, but not both.

[Historical Study B-19. The Renaissance in Florence]

Moral Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Moral Reasoning is to discuss significant and recurrent questions of choice and value that arise in human experience. They seek to acquaint students with the important traditions of thought that have informed such choices in the past and to enlarge the student's awareness of how people have understood the nature of the virtuous life. The courses are intended to show that it is possible to reflect reasonably about such matters as justice, obligation, citizenship, loyalty, courage, and personal responsibility.

Moral Reasoning

[Moral Reasoning 17. Democracy and Inequality]

Catalog Number: 6085



Harvey C. Mansfield

Half course (spring term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

In what ways are we equal, in what ways unequal or different? Which are more essential? How much should moral reasoning be guided by our equality, how much by inequality? Can democracy do justice to both? These questions are considered and answered by reading Plato's *Republic*, Hobbes' *Leviathan*, and Tocqueville's *Democracy in America*: three beautiful books presenting the best argument for aristocracy, the most realistic basis for equality, and the best analysis of democracy.

Note: Expected to be given in 2001–02.

Moral Reasoning 22. Justice

Catalog Number: 3753

Michael J. Sandel

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

A critical analysis of selected classical and contemporary theories of justice, with discussion of present-day practical applications. Topics include affirmative action, income distribution, surrogate motherhood, free speech vs. hate speech, debates about rights (human rights and property rights), arguments for and against equality, debates about political obligation and the claims of community. Readings include Aristotle, Locke, Kant, Mill, and Rawls.

Note: Expected to be omitted in 2001–02.

[Moral Reasoning 28. Ethics and International Relations]

Catalog Number: 0642

Stanley Hoffmann and J. Bryan Hehir (Divinity School)

Half course (fall term). M., W., 2–3:30, and a weekly section to be arranged. EXAM GROUP: 7, 8

Is ethical action in international affairs possible—or does the absence of global moral consensus and a central world government doom states and citizens to the amoral pursuit of clashing national interests? The course considers contrasting arguments by philosophers and social thinkers (e.g., Thucydides, Machiavelli, Kant, and Weber) as well as specific issues in contemporary international politics: intervention and the use of force, the morality of nuclear deterrence, human rights, distributive justice, and the moral responsibilities of leaders and citizens.

Note: Expected to be given in 2001–02.

[Moral Reasoning 33. Issues in Ethics]

Catalog Number: 2255

Thomas M. Scanlon, Jr.

Half course (fall term). Tu., Th., at 9, and a weekly section to be arranged. EXAM GROUP: 11

Is pleasure the only ultimate good? Are individuals' preferences the only basis for assessing the quality of their lives? What makes acts wrong? Is moral blame applicable only to agents who have free will? Should we accept moral relativism? Readings mainly from contemporary philosophers.

Note: Expected to be given in 2001–02.



Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

Catalog Number: 0466

Wei-Ming Tu

Half course (spring term). Tu., Th., at 12, and a weekly section to be arranged. EXAM GROUP: 14

Explores a style of moral reasoning informed by Confucian humanism which takes self-cultivation as the basis for the development of a moral community. Focuses on the perception of the self as a center of relationships and the conviction that society ought to be a community of trust. Although our main concern is to understand Confucian ethics as a form of “virtue-centered” morality, attention is also given to a critical analysis of the limits of Confucian ethics in light of contemporary discussions of such issues as human rights and political authority.

Note: Expected to be omitted in 2001–02.

[Moral Reasoning 50. The Public and the Private in Politics, Morality, and Law]

Catalog Number: 1262

Seyla Benhabib and Glyn Morgan

Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

The line between what is considered “private” and what belongs to the “public” varies culturally, historically, and socially. The aim is to introduce students to central issues in Western moral, legal, and political thought by examining the ways in which this distinction has been drawn and justified in the work of major thinkers. The course also deals with feminist criticisms of the public/private split, as well as examining recent developments concerning privacy rights in American legal theory. Readings from Aristotle, *Antigone*, *Lysistrata*, Locke, Rousseau, Virginia Woolf, Michel Foucault, and Supreme Court decisions *Roe v. Wade*, *Bowers v. Hardwick*, etc.

Note: Expected to be given in 2001–02.

Moral Reasoning 52. Property Rights: Morals and Law

Catalog Number: 0894

Frank I. Michelman (Law School)

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Morally speaking, what is “having a right” to something? What views of the human condition inspire moral notions of property rights? What becomes of them in legal reasoning? (Legal thought reflects special concerns about the rule of law and the uses of state power, which may help shape legal understandings of property rights.) Examines legal controversies—concerning landlord-tenant disputes, environmental regulation, disputes between spouses and domestic partners, Indian land claims, and rights of the homeless to shelter—in light of readings from Aristotle, Locke, Hume, Kant, Bentham, Hegel, Marx, American progressives, and contemporary commentators.

Moral Reasoning 54. “If There is No God, All is Permitted”: Theism and Moral Reasoning

Catalog Number: 1321

Jay M. Harris

Half course (spring term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

For centuries various Jewish and Christian thinkers have asserted that moral judgement is



impossible without some concept of the deity. So convincing were they that one important Russian author of the 19th century was led to exclaim, “if there is no God, all is permitted.” In more recent times some thinkers have challenged this assumption, and insisted that removing (or reducing) the role of God is indispensable to proper moral discourse. This course will examine the ways in which a concept of God has informed Western moral discourse, trying to help students engage the literature as they confront the basic question, why might one think “if there is no God, all is permitted”? and why one might think if there is a God, human moral achievement is impossible.

Note: Expected to be omitted in 2001–02.

[Moral Reasoning 56. Self, Freedom, and Existence]

Catalog Number: 6507

Richard Moran

Half course (fall term). M., W., (F.), at 2, and a weekly section to be arranged. EXAM GROUP: 7

How is human freedom possible? Does acting freely mean acting in accordance with reasons or acting arbitrarily, or neither? Are values chosen, discovered, or invented? How is self-knowledge possible and how is it different from the knowledge of others? Specific issues to be discussed include: self-deception and bad faith; the nature of freedom and autonomy; subjectivity and our relation to others; rationality and irrationality. Readings, which will provide an introduction to a few of the major texts of Existentialism, will be drawn from Kant, Sartre, Dostoevsky, and various contemporary writers.

Note: Expected to be given in 2001–02.

[Moral Reasoning 58. Slavery in Western Political Thought]

Catalog Number: 8892

Richard Tuck

Half course (fall term). M., W., (F.), at 11, and a weekly section to be arranged. EXAM GROUP: 4

The ownership of one man by another is an obvious and profound affront to many of our fundamental ideas about morality, and yet for much of human history it was defended—and often by the greatest moral and political philosophers. How was this possible? The course will trace the theme of slavery through the arguments of political theorists from the ancient world to the present and will study the way in which the rejection of slavery became intellectually possible. These theoretical arguments will be considered in the context of the changing history of slavery as an institution.

Note: Expected to be given in 2001–02.

[Moral Reasoning 60. Reason and Morality]

Catalog Number: 9557

Melissa Barry

Half course (spring term). Tu., Th., at 1, and a weekly section to be arranged. EXAM GROUP: 15

Can our moral views be defended by rational argument? Or must we resort to mere assertion and counterassertion when trying to defend moral positions? Are there moral facts? If we can reason about morality, what might such reasoning look like? We shall consider (1) several influential



accounts of the nature of moral reasoning, and (2) a powerful challenge to the very idea of reasoning about morality. Readings include works by Hobbes, Kant, Mill, Nietzsche, and some contemporary authors.

Note: Expected to be given in 2001–02.

Moral Reasoning 62. Reasoning In and About the Law

Catalog Number: 0286

Michael Blake

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

How is law related to morality? How is it distinct? Do we have an obligation to obey the law? What, if anything, justifies the imposition of legal punishment? These issues, and related issues dealing with the analysis and justification of legal practices, will be examined using the writings of philosophers, judges, and legal theorists.

[Moral Reasoning 64. Ethics and Everyday Life: Work and Family]

Catalog Number: 7803

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

Analyzes the relation of moral considerations to two central arenas of everyday life, work and family. Also assesses how these in turn relate to politics. Topics include the work ethic, rival conceptions of the family, marriage and its public recognition, the public-private distinction, the division of labor and gender, independence, and obligation. Readings drawn from classic and contemporary thinkers in moral and political thought, including Aristotle, Augustine, Milton, Locke, Marx, and Weber.

Note: Expected to be given in 2001–02.

Moral Reasoning 66. Moral Reasoning About Social Protest

Catalog Number: 7778

Susanna Siegel

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

An examination of moral questions that arise in the context of social protest in the United States during the 20th century, including the central question of political philosophy: How can political authority be justified? After studying the Attica prison revolt of 1971, we will consider the following questions: Is there an obligation to obey the law? Can civil disobedience be justified, and does it need to be? What should be the social function of punishment? Can it be justified, and does it need to be? Texts include classic excerpts from Plato, Hobbes, Rawls, and Marx.

Departmental courses that satisfy the Moral Reasoning requirement

The following departmental courses may be taken to meet the Moral Reasoning requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Philosophy 168. Kant's Ethical Theory

Philosophy 174. Recent Ethical Theory

Quantitative Reasoning



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The aim of courses in this area is to introduce students to mathematical and quantitative modes of thought. Some courses emphasize theoretical aspects of mathematics or statistical reasoning: a course on number theory or deductive logic, for example, would fall under this heading. Other courses in this area explore the application of quantitative methods to questions in the natural sciences, social sciences, or humanities: courses on making decisions under uncertainty, or on analyzing demographic trends are examples of such applications.

Quantitative Reasoning

Quantitative Reasoning 20. Computers and Computing

Catalog Number: 5430 Enrollment: Limited to 60.

William H. Bossert

Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

An algorithm is an unambiguously stated procedure for accomplishing a specific task on the basis of the given information in a given environment. The term is often associated with computer programs. The course will examine a number of algorithms with regard to their design and analysis of their relative efficiency. A central theme is the close interaction between the form of an algorithm and the representation and format of information which it works. Students will learn to design and implement programs of modest complexity in a modern programming language.

Note: Previous programming experience is not required.

Quantitative Reasoning 22. Deductive Logic

Catalog Number: 2508

Richard G. Heck, Jr.

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

The concepts and principles of symbolic logic: valid and invalid arguments, logical relations of statements and their basis in structural features of those statements, the analysis of complex statements of ordinary discourse to uncover their structure, the use of a symbolic language to display logical structure and to facilitate methods for assessing arguments. Analysis of reasoning with truth-functions (“and”, “or”, “not”, “if...then”) and with quantifiers (“all”, “some”). Attention to formal languages and axiomatics, and systems for logical deduction. Throughout, both the theory underlying the norms of valid reasoning and applications to particular problems will be investigated.

[Quantitative Reasoning 24. Health Economics]

Catalog Number: 4667

David M. Cutler

Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Analysis of the medical care system is integral to a number of disciplines, including economics, philosophy, sociology, demography, and statistics, as well as four professional schools (medicine, public health, law, and public policy). This course uses quantitative methods to



examine the organization and operation of the medical system. The course will cover the medical and non-medical determinants of health; markets for medical care services and health insurance; and proposed reforms of medical care. Methods of analysis will include graphical analysis, algebra, survey design, and use of secondary data. Techniques will be developed in class and section. Use of a computer spreadsheet is required and will be demonstrated in class and section. *Note:* Expected to be given in 2001–02.

Quantitative Reasoning 26. Choice and Chance: The Mathematics of Decision Making

Catalog Number: 4123

Daniel L. Goroff and Howard Raiffa (Business School)

Half course (spring term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

This course develops mathematical ideas that can help individuals make rational choices. We study both decisions whose results are predictable as well as those made under uncertainty, including cases designed for professional school classes. Topics range from methods of optimization to probability theory, and from systems that evolve over time to empirical surprises concerning how people estimate, wager, and make choices in practice.

Note: High school algebra and willingness to think hard are prerequisites.

Quantitative Reasoning 28. The Magic of Numbers

Catalog Number: 4764

Benedict H. Gross and Joseph D. Harris

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course will explore the beauty and mystery of mathematics through a study of the patterns and properties of the natural numbers 1, 2, 3, ... We will discuss various special classes of numbers, like Fibonacci numbers, factorials, and binomials and the many ways they arise in mathematics and in nature. We'll also investigate the mysterious behavior of prime numbers and their distribution, and discuss coding systems based on modular arithmetic.

Note: We will assume no mathematical background beyond high-school algebra. Emphasis will be placed on discovery through conjecture and experimentation.

[Quantitative Reasoning 30. Quantitative Methods in Political Science]

Catalog Number: 5687

Gary King

Half course (fall term). Hours to be arranged.

This course is about *inference* in political science: *using facts we know to learn about facts we do not know*. Its focus is inference from quantitative data (although the same insights apply to good nonquantitative research). Students learn the major quantitative techniques used in political science and related social sciences. The course explores data analysis, as well as descriptive and causal statistical inference of many types. The course emphasizes probability theory, regression analysis and other statistical techniques, and uses techniques of stochastic simulation to get answers easily and to interpret statistical results in a manner very close to the political substance of the problem at hand.

Note: Expected to be given in 2001–02.

**Quantitative Reasoning 32. Uncertainty and Statistical Reasoning**

Catalog Number: 2228

*Carl N. Morris**Half course (fall term). Tu., Th., 10–11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13*

Individuals continually must make decisions under uncertainty in their personal and in their professional lives. This course develops probability as the appropriate language for describing uncertainty and it shows how statistical data and planned studies can be crucial when evaluating probabilities and associated risks. It will help students understand and discover how people think about uncertainty and risk. The course will improve each student's ability to handle uncertainty, and so to make better decisions. It introduces concepts and the language of probability and statistics. Students will review and assess probabilities and statistics developed for and reported in the media, science, industry, law, medicine, and government.

Note: Expected to be omitted in 2001–02.**[Quantitative Reasoning 33. Causal Inference]**

Catalog Number: 0424

*Donald B. Rubin**Half course (spring term). Hours to be arranged.*

Do private schools do a better job than their public counterparts? Does the existence of the QRR improve the quantitative literacy of the undergraduates at Harvard? Such questions dominate many decision-making processes but only rarely are their “answers” based on the careful collection and analysis of empirical data. This courses confronts such questions and how to reach inferentially valid answers that summarize uncertainty using formal probabilistic statements.

Note: Expected to be given in 2001–02.**[Quantitative Reasoning 34. Counting People]**

Catalog Number: 4329

*Peter T. Ellison**Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2*

The size, composition, distribution, and dynamics of human populations arise as important variables in many domains of inquiry spanning traditional academic boundaries, including sociology, history, economics, government, public health, and environmental science. This course seeks to introduce students to the field of human demography as both an area of study and a mode of inquiry. Emphasis is placed on understanding the methods by which inferences concerning the nature, distribution, and dynamics of human populations are drawn from census and vital registration data. Students gain experience in the analysis of real demographic data and the application of demographic analyses to a variety of problems drawn from both the social and natural sciences.

Note: Expected to be given in 2001–02.**Quantitative Reasoning 36. Statistics and Public Policy**

Catalog Number: 7412

*Christopher Winship**Half course (spring term). M., W., F., at 11, and a weekly section to be arranged.*



Data, or more accurately statistics calculated from data, are used ubiquitously in the support of various public policy claims. The purpose of this course is to examine the statistical methods used in making such claims and understand their potential strengths and weaknesses. The course examines Sampling, Characteristics of Distributions, Basic Probability, Statistical Reference, Measurement and Scaling, Measures of Association, Experiments, and Quasi-Experiments. The last part of the course will focus on the problem of making causal inferences from empirical data. The goal of the course is to acquire a clear, conceptual understanding of methods as opposed to the ability to manipulate formulas.

Note: Expected to be omitted in 2001–02.

[Quantitative Reasoning 37. Surveys and Statistics in Sociology]

Catalog Number: 8610

Peter V. Marsden

Half course (spring term). Term and Hours to be arranged.

Introduces quantitative analysis in social research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data and presentation of results in research reports.

Note: Expected to be given in 2001–02.

[Quantitative Reasoning 38. The Strategy of International Politics]

Catalog Number: 7119

Half course (spring term). Term and Hours to be arranged.

International politics is often about strategic interaction among states. When governments make choices about economic, military, or environmental policies, they take into account the likely responses and actions of others. This course introduces the logic of strategic interaction by way of game theory. The principles of game theory are introduced, and students learn how to solve simple games. Mathematical topics covered include probabilities, set theory, linear equations, and quadratic equations. The games are motivated and illustrated with examples drawn from international politics. The logic and techniques developed in this class have wide applications outside the field of international relations.

Note: Expected to be given in 2001–02.

Departmental courses that satisfy the Quantitative Reasoning requirement

The following departmental courses may be taken to meet the Quantitative Reasoning requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or more than could be expected of students seeing the subject for the first time.

Computer Science 50. Introduction to Computer Science I

Mathematics 1a. Introduction to Calculus

Mathematics 1b. Calculus, Series and Differential Equations

Mathematics 19. Mathematical Modeling

Mathematics 20. Introduction to Linear Algebra and Multivariable Calculus

Mathematics 21a. Multivariable Calculus

Mathematics 21b. Linear Algebra and Differential Equations

Statistics 100. Introduction to Quantitative Methods



Statistics 101. Introduction to Quantitative Methods

Statistics 102. Fundamentals of Biostatistics

Statistics 104. Introduction to Quantitative Methods

Statistics 110. Introduction to Probability

The following departmental courses taken together may be used to meet the Quantitative Reasoning requirement.

Mathematics Xa. Introduction to Functions and Calculus I

Mathematics Xb. Introduction to Functions and Calculus II

Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of the courses in Science is to explore the phenomena, ways of observing and understanding them, theories that synthesize them, and the undergirding methodology that, taken together, result in the scientific perception of our world. This world encompasses the very small—elementary particles, nuclei, atoms, molecules, genes, and cells; the very large—the Earth, the solar system, and the universe; and living things including human beings in the past and present. Each course addresses one or several of these topics in some depth. Students participate by solving problems, and by observing or by experimenting in the laboratory. This exposure helps to develop scientific literacy and numeracy, thereby leading to a better understanding of today's technologically and scientifically oriented society.

Science A

Courses in this section, largely concerned with the physical sciences, deal with the analysis of natural phenomena through quantitative descriptions and synthesis of their simple elements.

Science B

Courses in this section, emphasizing biological, evolutionary, and environmental science, present semiquantitative and frequently descriptive accounts of complex systems that cannot yet be fully analyzed on the basis of their simple elements.

Science A

Science A-24. The Dynamic Earth

Catalog Number: 3744 Enrollment: Limited to 100.

Richard J. O'Connell

Half course (spring term). M., W., F., at 10, a weekly section to be arranged, and one three-day camping field trip during Reading Period. EXAM GROUP: 3

A discussion of physical processes that formed the Earth and govern its continuing evolution. How internal workings shape the planet's surface, producing volcanism, earthquakes, and the uplift of mountains. The course describes the theory of plate tectonics; reviews the observations and phenomena that led to the hypothesis; describes methods of deducing the present state, composition, and structure of the Earth's interior; discusses the age and the thermal state of the



Earth and the evidence for the flow and mobility of the interior. Students are encouraged to think critically, and to appreciate the uncertainties in current models and hypotheses.

Science A-29. The Nature of Light and Matter

Catalog Number: 1706

Roy J. Glauber

Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Explores the ultimate nature of light and its interaction with matter. An excursion through the physical world that strives to develop an understanding of the modern concept of wave-particle duality. The background of that theory includes a succession of analogies, such as that of light with sound, and of the ways in which atomic particles and light behave. The course thus emphasizes, for example, the common features of musical instruments, broadcast transmitters, and radiating atoms. Lecture demonstrations, which are central in importance, are drawn from many areas of optics, acoustics, electromagnetism, and atomic physics. The behavior of waves of various sorts is used to elucidate the limitations on knowledge imposed by the uncertainty principle.

Note: May not be taken for credit by students who have completed Science A-26.

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

Steven C. Wofsy

Half course (fall term). Tu., Th., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 15, 16

The physical and chemical processes that regulate climate and the composition of the atmosphere are introduced, including mechanics, thermodynamics, radiation, and chemical kinetics. Atmospheric temperature and precipitation; weather and climate; human activity as a factor for change; influence of carbon dioxide from fossil fuel on climate; modification of stratospheric ozone by industrial chemicals; air pollution; acid rain.

Science A-35. Matter in the Universe

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner

Half course (spring term). Tu., Th., 12–1:30, and a weekly section to be arranged. EXAM GROUP: 14, 15

The nature and history of matter revealed by astronomical observation and experimental physics. Explores the Big Bang and models of the universe, stellar evolution and supernova explosions, evidence for invisible matter and the development of structure in the universe. Demonstrates the physical principles used to interpret astronomical data and to construct a model for the evolution of the universe on the microscopic and cosmic scales. Examines the way microscopic properties of matter determine properties of people, stars, galaxies, and the universe as a whole.

Science A-36. Observing the Sun and the Stars

Catalog Number: 4775

Jonathan E. Grindlay

Half course (fall term). Tu., Th., 11:30–1, and two laboratory sessions (daytime and evening) to



be arranged. EXAM GROUP: 13, 14

The nature of the Sun and the stars, with emphasis on direct observations, to learn how we can understand the Galaxy and the Universe from stars, the basic building blocks. Students conduct visual observations to measure apparent motions of the Sun and stars, laboratory experiments with light and spectra, and make extensive telescopic observations of the Sun and stars using modern instrumentation to explore the energy output of the stars, their relative distances, their temperatures and chemical composition, and something of their life histories. Lectures and readings discuss the physical nature and evolution of stars as well as how stars are organized in our local stellar neighborhood, in our Milky Way Galaxy, and in the Universe.

[Science A-39. Time]

Catalog Number: 0077

Gary J. Feldman

Half course (fall term). Tu., Th., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 15, 16

Studies the evolution, over the past three centuries, of our concept of time and of related questions, such as the predictability of the future. Newtonian mechanics envisions a universal time, symmetric between past and future. The distinction between past and future emerges in the 19th century from considerations of statistical processes. In the 20th century, the theory of relativity forces fundamental changes in the concept of time. Time ceases to be universal and becomes entangled with space and gravity. Quantum mechanics limits the predictability of the future and introduces recently verified effects so weird that Einstein wrote of them, “No reasonable definition of reality could be expected to permit this.”

Note: Expected to be given in 2001–02.

[Science A-41. The Einstein Revolution]

Catalog Number: 3581

Peter L. Galison

Half course (fall term). Tu., Th., 9–10:30, and a 90-minute weekly section to be arranged. EXAM GROUP: 11, 12

Albert Einstein has become the icon of modern science. Following his scientific, cultural, philosophical, and political trajectory, this course aims to track the changing role of physics in this century. Addresses Einstein and his engagement with relativity, quantum mechanics, Nazism, nuclear weapons, philosophy, and technology, and raises basic questions about what it means to understand physics and its history.

Note: Expected to be given in 2002–03.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Göran Ekström

Half course (fall term). M., W., F., at 12, and a 90-minute weekly section to be arranged. EXAM GROUP: 5

An introduction to risks and hazard in the environment. Different types of hazards are analyzed and compared: natural disasters, such as tornados, earthquakes and meteorite impacts; acute and chronic health effects caused by exposure to radiation and toxic substances such as radon, asbestos and dioxin; long-term societal effects due to environmental change, such as sea level



rise and global warming. Emphasizes the basic physical principles controlling the hazardous phenomena and develops simple quantitative methods for making scientifically reasoned assessments of the threats (to health and wealth) posed by various events, processes and exposures. Discusses methods of risk mitigation and sociological, psychological and economic aspects of risk control and management.

Note: Expected to be omitted in 2001–02.

[Science A-45. Reality Physics]

Catalog Number: 4562

Gerald Gabrielse

Half course (spring term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

What flows from electrical wall sockets, cell phones and power lines? What are the risks? How do magnetic resonance imaging, X-rays and CT scans take pictures within our bodies, and with what danger? What are the lasers that inhabit grocery store checkout counters and CD players? What are atomic clocks? How have they and GPS satellites revolutionized navigation for backpackers and ships? How does Einstein's famous formula describe the energy release from nuclei? What are nuclear reactors and nuclear waste? This quantitative study of the physics of daily life is intended to enable more informed choices in our society.

Note: Expected to be given in 2001–02.

Science A-47. Cosmic Connections

Catalog Number: 6940

Lars Hernquist

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

This course will examine the origin and evolution of stars and planets, and will consider connections between astronomical events and the conditions that seem necessary for life to develop. The underlying theme is that humans are a part of an evolving Universe and that our presence is linked to the cosmos at large. To tell this story, we must talk about how the Earth and the Sun came about, and ultimately how the Milky Way and the Universe were created.

Science A-49. The Physics of Music and Sound

Catalog Number: 8987

Eric J. Heller and John Huth

Half course (spring term). Tu., Th., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 15, 16

Sound and music are deeply embedded in all cultures. An understanding of the production, transmission and perception of sound and music can expand artistic and scientific horizons. Topics will include vibration, resonance, interference, harmony, dissonance, temperament, musical instruments, human auditory response, good and bad acoustics, and sound reproduction. The principles of music and sound are widely applicable to many branches of science and some of the connections will be developed. Hands-on digital and analog investigations will be provided. Mathematics background at the level of high school algebra and geometry is sufficient.

Departmental courses that satisfy the Science A requirement



The following departmental courses may be taken to meet the Science A requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or assume more than could be expected of students seeing the subject for the first time.

Astronomy 14. The Universe and Everything

Chemistry 5. Introduction to Principles of Chemistry

Chemistry 7. Principles of Chemistry

Chemistry 10. Accelerated Course: Foundations of Chemistry

Chemistry 17. Principles of Organic Chemistry

Chemistry 20. Organic Chemistry

Chemistry 27. Organic Chemistry of Life

Chemistry 30. Organic Chemistry

Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Physics 11a. Mechanics

Physics 11b. Electricity, Magnetism, and Waves

Physics 15a. Introductory Mechanics and Relativity

Physics 15b. Introductory Electromagnetism

Physics 15c. Wave Phenomena

Physics 16. Mechanics and Special Relativity

The following departmental courses taken together may be used to meet the Science A requirement.

Physics 1a. Principles of Physics: Mechanics

Physics 1b. Principles of Physics: Electricity, Waves, Nuclear Physics

Science B

Science B-16. History of Life

Catalog Number: 6718 Enrollment: Limited to 200.

Stephen J. Gould

Half course (spring term). Tu., Th., 11:30–1, and a 90-minute weekly section to be arranged.

EXAM GROUP: 13, 14

Major aspects of the geological and paleontological history of Earth. Part 1 (historical science) uses the development of theories about Earth history to examine styles of doing science when faced with complex histories or unrepeated events. Part 2 (evolutionary theory) covers basic principles of Darwinism and alternatives, and examines philosophical implications of an evolutionary world view. Part 3 (biological history) examines Darwinian theory as a model for explaining the history of life. Topics: origin of life, rapid extinctions and periods of origination, vertebrate origins, human evolution.

Note: Sections cover basic skills (e.g., identification of fossils), but serve primarily for small-group discussion.

Science B-23. The Human Organism

Catalog Number: 6581



Joseph D. Brain (Public Health), Stephanie A. Shore (Public Health), and Richard L. Verrier (Medical School)

Half course (spring term). M., W., F., at 12, plus two two-hour laboratories and periodic section meetings to explore special topics in depth. EXAM GROUP: 5

The physiology and pathophysiology of the human body will be presented with special emphasis on cardiovascular, respiratory, endocrine, and reproductive biology. Topics include not only the normal functioning of these systems but also their responses to infection, injury, and the environment. Through lectures and laboratories, students will explore how their own body functions. The relative power of diagnosis and treatment of disease (medicine) versus primary prevention of disease (public health) in promoting health will be emphasized.

Science B-27. Human Evolution

Catalog Number: 0470

David Pilbeam

Half course (spring term). M., W., F., at 10, and a 90-minute weekly section to be arranged. EXAM GROUP: 3

A survey of human evolution as a particular example of general issues in evolutionary biology. Some principles of evolutionary theory, primate behavioral ecology, and functional morphology are used to interpret the fossil record of hominoids (apes and humans) and particularly the hominids (humans and their direct ancestors and collaterals), from hominid origins to the appearance of modern humans through to the origins of agriculture. Emphasis is on the dynamic (behavioral and ecological) interpretation of the human fossil and archeological record.

Note: Expected to be omitted in 2001–02.

Science B-29. Human Behavioral Biology

Catalog Number: 0152 Enrollment: Limited to 400.

Irven DeVore, Marc D. Hauser, and Richard W. Wrangham

Half course (fall term). M., W., F., at 1, and a 90-minute weekly section/laboratory to be arranged. Additional meeting times for two required film showings to be announced. EXAM GROUP: 6

Human biology and behavior are considered in a broad evolutionary context, showing how the facts of development, physiology, neurobiology, reproduction, cognition, and especially behavior are informed by evolutionary theory and comparative evidence. Field and experimental data on other species are introduced with the aim of illuminating human behavior. Behavior is traced from its evolutionary function as adaptation, through its physiological basis and associated psychological mechanisms, to its expression. The role of ecology and social life in shaping human behavior is examined through the use of ethnographies and cross-cultural materials on a variety of human cultures. Topics include basic genetics, neural and neuroendocrine systems, behavioral development, sex differences, kinship and mating systems, ecology, language, and cognition.

Science B-40. The Biology of Trees and Forests

Catalog Number: 2635

Donald H. Pfister

Half course (spring term). Tu., Th., 11:30–1, and a weekly section/laboratory to be arranged. EXAM GROUP: 13, 14



Trees are prominent and important organisms in the ecosystem. By photosynthesis, trees convert carbon dioxide into organic molecules that are used as energy reserves and as structural components of these plants. Oxygen is also released. Trees, carbon cycling, and the greenhouse effect are intimately intertwined. This course uses trees as examples to explore several facets of plant biology as they relate to identification, growth, reproduction, physiology of transport, ecology, management, and use of plant products.

Science B-44. Vision and Brain

Catalog Number: 4722

*Ken Nakayama**Half course (spring term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4*

Drawing upon physical, geometric, biological and psychological descriptions of vision, the major effort is to understand how the phenomenon of visual experience can be understood in terms of the nature of light in the environment, the properties of the eye and brain, as well as more abstract descriptions of perceptual and cognitive systems.

Science B-46. Molecular Biology and the Structure of Life

Catalog Number: 3395

*George M. Whitesides and Walter Gilbert**Half course (fall term). M., W., F., at 9, and a 90-minute weekly section to be arranged. EXAM GROUP: 2*

Describes the applications of molecular biology to medicine, evolution, forensics, and biotechnology. Modern biology is based on a view of life in which a small set of key molecules—DNA, RNA, and proteins—play central roles. This view makes it possible to discuss a remarkable range of characteristics of living organisms using a common set of principles. Also considers the implications of molecular genetics and the human genome project.

[Science B-48. From DNA to Brain]

Catalog Number: 3320

*Howard C. Berg and John E. Dowling**Half course (fall term). Tu., Th., 11:30–1, and a weekly discussion/demonstration section to be arranged. EXAM GROUP: 13, 14*

Explores the way in which information is stored and processed by biological systems, first by molecules—DNA, RNA, protein, and phospholipid—then by cells and cell assemblies, particularly the nervous system. Learning how DNA gives rise to brain and how the brain works are among the greatest challenges in modern biology. Our hope is to give students a taste of this remarkable enterprise.

Note: Expected to be given in 2001–02.*Prerequisite:* Secondary school chemistry.**Science B-53. Biology of Marine Organisms**

Catalog Number: 7050 Enrollment: Limited to 96.

*Robert M. Woollacott**Half course (fall term). Tu., Th., 1–2:30, and a two-hour weekly section to be arranged. Two half-day and one full-day field trips will substitute for three weeks of section. EXAM GROUP:*



15, 16

Explores the life histories and adaptations of marine life and the ecosystems of the sea. Centers on the complex interrelationships of organisms, the diversity of various habitats, reproductive strategies, and speciation as well as the interplay of currents, light, temperature, and nutrient supply on the distribution of life in the sea.

Prerequisite: Secondary school biology.

[Science B-55. Evolutionary Biology]

Catalog Number: 1199

Stephen R. Palumbi

Half course (fall term). M., W., F., at 12, and a 90-minute weekly section to be arranged. EXAM GROUP: 5

Explores the process of biological evolution, the way the biosphere has changed over time, and how human actions affect the evolutionary process, thereby changing our contemporary biological environment. Examines the mechanics and pace of evolution, from the molecular to the species level, with an emphasis on the ecological context of natural selection. The evolution of antibiotic resistance, HIV, and bioengineered organisms are used to illustrate how evolution plays a critical role in modern society.

Note: Expected to be given in 2001–02.

[Science B-57. Dinosaurs And Their Relatives]

Catalog Number: 0793

Charles R. Marshall

Half course (spring term). Term and Hours to be arranged.

Comprehensive exploration of the biology, evolution and extinction of the dinosaurs and their closest relatives. Through this exploration, core concepts in paleontology, evolutionary biology and geology will be introduced. Weekly sections center on the examination of fossil material.

Note: Expected to be given in 2001–02.

Departmental courses that satisfy the Science B requirement

The following departmental courses may be taken to meet the Science B requirement. These courses are not necessarily designed for a general audience; they may assume prior experience or assume more than could be expected of students seeing the subject for the first time.

Biological Sciences 51 (formerly Biological Sciences 2). Integrative Biology of Organisms
Biological Sciences 52 (formerly Biological Sciences 10). Introductory Molecular Biology
Biological Sciences 80 (formerly Biological Sciences 25). Behavioral Neuroscience
Earth and Planetary Sciences 6. Introduction to Environmental Science: The Solid Earth

Social Analysis

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The common aim of courses in Social Analysis is to acquaint students with some of the central concepts and methods of the social sciences and to show how these approaches can enhance our understanding of contemporary human behavior. Social Analysis courses are not intended to provide a survey of a particular discipline, but rather to show how, by the use of formal theories



that are systematically related to empirical data, one can better understand the application of analytical methods to important problems involving the behavior of people and institutions.

Social Analysis

Social Analysis 10. Principles of Economics

Catalog Number: 3660

Martin Feldstein, Judith Li and members of the Economics Department

Full course (indivisible). M., W., F., at 12. Sections also meet at 9, 10, 11, 12, 1, or 2.

Introduction to economic issues and basic economic principles and methods. Fall term focuses on supply and demand, labor and financial markets, taxation, and social economic issues of health care, poverty, the environment, and income distribution. Spring term focuses on the impact of both monetary and fiscal policy on inflation, unemployment, interest rates, investment, the exchange rate, and international trade. Studies role of government in the economy, including Social Security, the tax system, and economic change in Eastern Europe, Latin America, and Asia. Covers international trade and financial markets.

Note: Must be taken as a full course, although in special situations students are permitted to take the second term in a later year. Taught in a mixture of lectures and sections. No calculus is used, and there is no mathematics background requirement. Designed for both potential economics concentrators and those who plan no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year. Exam dates to be announced.

[Social Analysis 16. War]

Catalog Number: 4028

Stanley Hoffmann

Half course (spring term). Tu., Th., 2–3:30, and a weekly section to be arranged. EXAM GROUP: 16, 17

War as the central phenomenon of international politics, as a domestic social institution, and as an issue made crucial by thermonuclear weapons. War in history: causes of war in theory and reality, functions and types of war, effects on society and the individual. War in the nuclear age: political features and strategic problems of the present international system; restraints: efforts to control force through law, international organization, disarmament, and arms control.

Note: Expected to be given in 2001–02.

[Social Analysis 28. Culture, Illness, and Healing: A Cross-Cultural Comparison of Medicine in Society]

Catalog Number: 4247

Arthur Kleinman and Byron J. Good (Medical School)

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

An inquiry into the role of health and medicine in society that demonstrates how anthropological analysis can be applied to the study of illness and care. Compares Western and non-Western medical systems to understand what is shared and what is culturally distinctive in the experience and treatment of sickness. Analyzes how practitioners (biomedical and folk) and patients construe sickness and suffering as distinctive social realities, and how those realities are organized in local cultural systems. Assesses varieties of suffering as social phenomena in order



to appreciate the social sources of international social problems, the cross-cultural variety of illness experiences, the reform of services, and the global moral and political-economic crisis in health care.

Note: Expected to be given in 2001–02.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Bert Vaux

Half course (fall term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6

What does our ability to acquire and use a language tell us about our essential human nature? This course examines the view of modern linguistics that knowledge of language is best characterized as an unconsciously internalized set of abstract rules and principles. Evidence is drawn from a variety of languages, language universals, child language acquisition, and language change.

Social Analysis 36. Religion and Modernization: Cultural Revolutions and Secularism

Catalog Number: 2027

Nur Yalman

Half course (fall term). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Theoretical studies on major social and ideological changes concerning religion in modern society with special reference to France, Russia, repercussions in Asia (Hinduism, Buddhism) and the Middle East (Islam). Changes in intellectual attitudes in France and the French Revolution. The Enlightenment, the Russian and Turkish Revolutions, and religious revivalism in Iran are considered. Comparative studies from India and Sri Lanka. Marxist and structuralist theories concerning religion are examined in historical contexts. Students can specialize in regions and topics.

Note: Expected to be omitted in 2001–02.

[Social Analysis 38. Social Stratification]

Catalog Number: 2505

Aage B. Sørensen

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Introduction to knowledge and ideas about the nature, causes, and consequences of social stratification in modern society. Examines the basic dimensions of social and economic inequality in society, and presents the most important theoretical perspectives on the causes of social stratification. Considers the openness of modern society in terms of the degree of inequality of opportunity by family background, race, and gender.

Note: Expected to be given in 2001–02.

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Catalog Number: 3544

Kenneth A. Shepsle

Half course (spring term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

A commonsensical survey of rational theories of politics, comprised of four segments: (1)



individual choice, (2) group choice, (3) collective action, and (4) institutions. The underlying theme is that politics may be described and understood in terms of rational, goal-seeking behavior by citizens, politicians, bureaucrats, and interest groups in various institutional settings. Students are encouraged to think deeply and with sophistication about current events, history, and public life generally, as well as to analyze the politics of private life—in families, clubs, firms, churches, universities, even Harvard Houses—since private politics, like public politics, may be understood in terms of rational behavior.

Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States

Catalog Number: 4409

C. C. Lamberg-Karlovsky

Half course (fall term). Tu., Th., at 10, and a 90-minute weekly section to be arranged. EXAM GROUP: 12

Examines the development and structure of the earliest state-level societies in the ancient world. Archaeological approaches are used to analyze the major factors behind the processes of urbanization and state formation in Mesopotamia, Egypt, Central Asia, the Indus Valley, and Mesoamerica. The environmental background as well as the social, political, and economic characteristics of each civilization are compared to understand the varied forces that were involved in the transitions from village to urbanized life. Discussion sections utilize archaeological materials from the Peabody Museum and Semitic Museum collections to study the archaeological methods used in the class.

Note: No previous knowledge of archaeology is necessary.

[Social Analysis 52. Growth and Development in Historical Perspective]

Catalog Number: 1879

Robert H. Bates

Half course (fall term). M., W., (F.), at 1, and a weekly section to be arranged. EXAM GROUP: 6

Societies now industrial and rich were once agricultural and poor. Growth and development imply a transformation in the politics and economics of nations. How does this transformation take place? What economic forces and political struggles propel it? Drawing on anthropology, political science, and economics, the course explores the process of urbanization, state formation, and war-making, as well as economic development.

Note: Expected to be given in 2001–02.

Social Analysis 54. American Society and Public Policy

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4

How do social problems get redefined over time; why do they appear differently to various groups; and how are public policies about problematic social conditions debated, devised, and changed? Looking over modern U.S. history, this course combines demographic data on societal trends, ethnographic data on people's everyday lives and outlooks, and evidence about changing institutional structures. This combination of approaches often pursued separately in the social sciences is used to explore recurrent yet shifting controversies about the well-being of families



and children, about immigration and citizenship, and about access to health care in the United States.

Social Analysis 58. Representation, Equality, and Democracy

Catalog Number: 1341

Sidney Verba

Half course (spring term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

Democracy is a system of rule in which the citizenry is the ultimate sovereign. Government policies ought to be responsive to the preferences of that citizenry, with each citizen weighed equally. If this is to happen, there must be procedures whereby the preferences of citizens are expressed, aggregated, and communicated to governing decision-makers, and there must be some set of incentives that lead the decision-makers to be responsive to these preferences. This course examines the ways in which the complex and “unreadable” preferences in the public are communicated to governing officials. The course will connect theories of representation and democracy to systematic studies of citizen behavior.

Cross-listed Core courses that satisfy the Social Analysis requirement

The following course fully listed in the Foreign Cultures area of the Core Curriculum may be taken to meet the Core requirement in Social Analysis or in Foreign Cultures, but not both.

Foreign Cultures 62. Chinese Family, Marriage, and Kinship: A Century of Change

Freshman Seminars, Extra-Departmental Courses, and House Seminars

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Freshman Seminars

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Ex Officio*)

Lawrence Buell, Powell M. Cabot Professor of American Literature

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics

Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences



Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures
 Justin Weir, Professor of Slavic Languages and Literatures

The Freshman Seminar Program

Students entering Harvard College with freshman standing may apply for a freshman seminar during the first two terms of residence. Freshman Seminars are graded SAT/UNSAT and may not be audited. For complete information on the Freshman Seminar Program, please consult the Freshman Seminar website at <http://www.freshmanseminars.college.harvard.edu/>. Catalogs may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: 617-495-1523; email: seminars@fas.harvard.edu).

Freshman Seminars 2009-10

***Freshman Seminar 21e. What Can The Fossil Record Tell Us About The Likely Biological Effects Of Climate Change?**

Catalog Number: 66043 Enrollment: Limited to 15.

David Pilbeam

Half course (fall term). W., 1:30–4:30.

The course uses the fossil record of the past 20 million years to explore relationships between species originations, extinctions, and lineage evolution, and climatic and environmental change. One example will involve the origin of our own lineage around 8.0 million years ago, and the origin of genus *Homo* close to 3.0 million years ago. After initial discussion sessions, most of the course will be focus on a range of collaborative in-class hands-on projects.

Note: For Freshmen only.

***Freshman Seminar 21o. The Neurophysiology of Visual Perception**

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (Medical School)

Half course (spring term). Tu., 2–5.

How do the eyes and brain of higher mammals (including humans) deal with visual information originating in the outside world? Starts with brief survey of mammalian brain neuroanatomy and cell-level neurophysiology (nerve conduction, synapses). Covers neurophysiology of the visual path from retina to cortex, with emphasis on transformations in information that occur at each successive level. Studies main components of visual perception: form, color, movement, depth, and considers the bearing of these on art.

Note: Meets at the Medical School. Open to Freshmen only.

***Freshman Seminar 21p. Materials, Energy, and Society**

Catalog Number: 74031 Enrollment: Limited to 15.

David R. Clarke

Half course (fall term). Th., 3–6.

Advances in materials and energy technology have paced the development of Society from the Stone Age to the present. Today, we are facing an over-reliance on fossil fuels, a growing population, and its consequences on Global Warming. Starting with our current and anticipated future energy needs, this course, which includes substantial laboratory content, explores the role



of materials in evolving alternative energy technologies as well as their impact on worldwide resources.

Note: For Freshmen only.

Prerequisite: This course is for non-SEAS students.

***Freshman Seminar 21q. Biological Impostors: Mimicry and Camouflage in Nature**

Catalog Number: 8762 Enrollment: Limited to 15.

Michael R. Canfield

Half course (spring term). Th., 1–3.

Plants and animals imitate one another and their surroundings to escape notice and avoid predators. This seminar explores the evolution of mimicry and camouflage using case studies that reveal the range of visual, behavioral, acoustical, and chemical means by which this deception is accomplished.

Note: Open to Freshmen only.

***Freshman Seminar 21s. Germs**

Catalog Number: 2067 Enrollment: Limited to 15.

Ralph Mitchell

Half course (fall term). W., 1:30–4.

Germs are responsible for the disruption of whole civilizations and for the maintenance of the ecological balance on planet Earth. Explores the importance of germs as causative agents of disease in humans, animals, and plants and emerging diseases. Investigates why epidemics occur, the role of germs in the control of the ecological balance on Earth -- how microbes affect the cycling of elements, and climate control. Are there dangers to inserting microbial genes into crops?

Note: Open to Freshmen only.

***Freshman Seminar 21u. Calculating Pi**

Catalog Number: 4737 Enrollment: Limited to 12.

Paul G. Bamberg

Half course (fall term). W., 2:30–5:30.

Focuses on mathematical, computational, and historical aspects of calculating pi. Many great mathematicians, including Archimedes, Newton, Gauss, and Euler, worked on the problem. Explores a wide variety of methods for computing pi and their implementation in Mathematica on a personal computer. Geometry and calculus used to prove the correctness of these methods and assess their accuracy, and then methods used to calculate pi to a large number of decimal places.

Note: Open to Freshmen only.

Prerequisite: Calculus

***Freshman Seminar 21w. Research at the Harvard Forest: Global Change Ecology-Forests, Ecosystem Function, the Future**

Catalog Number: 0060 Enrollment: Limited to 11.

David R. Foster

Half course (spring term). Four weekends at the Harvard Forest in Petersham, MA.

This course explores state-of-the-art research, tools and measurements used to investigate and



predict climate change through ongoing studies at the Harvard Forest's 3,000 acre outdoor laboratory in Petersham, MA. The seminar consists of three weekend-long field trips (Friday evening-Sunday) to the Harvard Forest and a final on-campus meeting. Students develop skills for evaluating, discussing, and presenting the ecological evidence for climate change, including feedbacks between forests and the atmosphere and long-term impacts on forest ecosystems. *Note:* Open to Freshmen only. Four weekends at the Harvard Forest in Petersham, MA (Fri, 3pm-Sun, late afternoon) dates TBA. Transportation, accommodations, and meals at the Harvard Forest will be provided.

***Freshman Seminar 21x. Galaxies and the Universe**

Catalog Number: 4075 Enrollment: Limited to 15.

John P. Huchra

Half course (fall term). M., 2:30–5.

Explores the properties of galaxies and the basic observations that lend support to the current cosmological model, the hot Big Bang, and recent observations that indicate that the Universe might even be accelerating. Topics covered include internal structure and dynamics of galaxies, cosmological models, determination of the cosmic distance scale, observations of large-scale structure in the universe, quasars, galaxy formation, and age, size, and fate of the universe.

Seminar includes a class project.

Note: Open to Freshmen only.

***Freshman Seminar 21y. The Art and Politics of Molecular Biology**

Catalog Number: 89138 Enrollment: Limited to 15.

Roberto G. Kolter (Medical School)

Half course (spring term). W., 2:30–4:30.

Objectivity is important in carrying out scientific research, yet it is clear that there are elements of creativity and politics that shape the practice and communication of science. This course explores how individual creativity and political behavior influence scientific pursuits in molecular biology. Harold Varmus' memoir "The Art and Politics of Science" is read and discussed, followed by diverse activities, including viewing and discussing films that broach scientific topics, e.g. "DNA Story" and "GATTACA".

Note: For Freshmen only.

***Freshman Seminar 22f. Primitive Navigation**

Catalog Number: 2550 Enrollment: Limited to 15.

John Huth

Half course (fall term). Th., 2–4.

In this seminar, we will explore navigational techniques that do not rely on modern technologies. By the end of the seminar, the student should be reasonably adept at combining naturally available information to determine position and orientation. The seminar will examine, and draw upon, navigational techniques practiced by cultures prior to contact with the West, with an emphasis on the Polynesians and Vikings.

Note: For Freshmen only.

Prerequisite: Some familiarity with trigonometry and the ability to graph is useful.



***Freshman Seminar 22i. The Science of Sailing**

Catalog Number: 7269 Enrollment: Limited to 12.

Jeremy Bloxham

Half course (fall term). W., 6–8 p.m.

Explores basic physical principles through sailing. Sailboats are driven by the flow of wind across their sails. How does this generate a driving force, how is that force balanced, and how does it scale with the size of the sailboat? Studies the environment in which a sailboat operates, including the origin and variability of the wind, and the interaction of wind with water.

Addresses questions of strategy and tactics faced by sailors on race courses.

Note: Open to Freshmen only.

Prerequisite: Participants in this seminar should have a good high school physics background and have some knowledge of sailing.

***Freshman Seminar 22j. Seeing by Spectroscopy**

Catalog Number: 4039 Enrollment: Limited to 15.

William Klemperer

Half course (spring term). W., 2–4.

Explores diverse topics and areas of science in which spectroscopy—the observation of energy emitted from a radiant source—plays a leading role. Concentrates on selected topics from chemistry, physics, astronomy, and atmospheric science. Emphasizes spectroscopy as the basis for remote sensing, choosing the grand topic of looking out—astronomical observations and seeing what is in the universe. Participants also will study (Nuclear) Magnetic Resonance Imaging as a model for looking in.

Note: Open to Freshmen only.

***Freshman Seminar 22m. The Human Brain**

Catalog Number: 6810 Enrollment: Limited to 15.

John E. Dowling

Half course (spring term). W., 3–5.

Investigates human brain function through famous neurological cases and what we have learned from them: Broca's patient "Tan" whose case led to the identification of one of the brain's language areas; Phineas Gage, whose injury to a specific brain region changed his personality dramatically; and patient HM who, after brain surgery, no longer can remember things for more than a few minutes. Readings will be from my book *Creating Mind*. Designed for non-science concentrators.

Note: Open to Freshmen only.

Prerequisite: High school science.

***Freshman Seminar 22n. Slips of the Ear**

Catalog Number: 31415 Enrollment: Limited to 15.

Andrew Nevins

Half course (fall term). Tu., 1–3.

Little scientific attention has been paid to "slips of the ear", during which listeners perceive something that was not what was actually said. In this freshman seminar, students keep a weekly journal of naturally occurring slips of the ear that they observe in their daily lives, report on them in class, and learn the methods of phonetic and semantic analysis that enable making sense of



why these slips happen when and to whom.

Note: For Freshmen only.

***Freshman Seminar 22p. Climate Change and Sustainable Energy--without the hot air!**

Catalog Number: 52723 Enrollment: Limited to 15.

L. Mahadevan

Half course (spring term). Tu., 1–3.

Science and technology are ubiquitous around us, so that at least in the developed world, we scarcely imagine our lives without them. Yet we are consuming energy at an unsustainable rate. This seminar will focus on the science behind the news, and delve into the hard facts (and the hot air!) that form the basis for policies that governments are beginning to implement, and that lead to the opportunities for creating a sustainable energy policy.

Note: For Freshmen only.

***Freshman Seminar 22t. Why We Animals Sing (the ways we do)**

Catalog Number: 22509 Enrollment: Limited to 15.

Brian D. Farrell

Half course (spring term). Tu., 1–3:30.

We will become familiar with sounds and structures of the different kinds of acoustic animals, including birds, mammals, frogs and insects, and the different kinds of habitats in which they produce their songs and calls. We will learn to imitate other species by slowing down their calls and will explore the evolution and biology of music in humans. The capstone will be a performance in the Harvard Museum of Natural History at semester's end.

Note: For Freshmen only.

***Freshman Seminar 23k. Insights from Narratives of Illness**

Catalog Number: 1904 Enrollment: Limited to 12.

Jerome E. Groopman (Medical School)

Half course (spring term). Th., 1–3.

A physician occupies a unique perch, regularly witnessing life's great mysteries; it is no wonder that narratives of illness have been of interest to both physician and non-physician writers. Examines and interrogates both literary and journalistic dimensions of medical writing from Tolstoy to Anne Fadiman as well as newspapers and periodicals. Studies not only mainstream medical journalists, but so called alternative medical writers such as Andrew Weil also. Work with different forms of medical writing.

Note: Open to Freshmen only.

***Freshman Seminar 23l. Medicine, Law, and Ethics: An Introduction**

Catalog Number: 4235 Enrollment: Limited to 15.

Shahram Khoshbin (Medical School)

Half course (spring term). M., Th., 7–9 p.m.

Explores medical, legal, and ethical aspects of medical care, with particular attention to medical decision-making at the beginning and end of life, participants in research on human subjects, human reproductive technologies, mental illness, and experimentation on animals. Historical background of present-day medical practices and relevant law to be discussed.

Note: For Freshmen only. All students are welcome, but this seminar is particularly geared to



pre-medical and pre-law students. Students are advised that this course is intended to be introductory.

***Freshman Seminar 23m. Nutrition and Public Health**

Catalog Number: 8823 Enrollment: Limited to 12.

Clifford Lo

Half course (fall term). Tu., 6–8 p.m.

Introduction to the critical reading of technical nutrition and medical literature; surveys current issues in public health and public policy relating to nutrition. Critical analysis of different types of medical literature: historical monographs, metabolic laboratory observations, clinical case reports, epidemiological surveys, prospective randomized controlled trials, metaanalyses, and literature reviews. Prepares science and non-science concentrators to examine critically current controversies for themselves; requires active participation and presentation by students.

Note: Clinical rounds with Nutrition Support Services at Children's Hospital are optional. Open to Freshman only.

***Freshman Seminar 23o. Evolution of Aging**

Catalog Number: 3444 Enrollment: Limited to 15.

Anne E. Pringle

Half course (spring term). M., 2–4.

How do we age? WHY do we age? If natural selection can effectively build "better" organisms, should organisms be immortal? This seminar explores both the mechanisms that cause aging, and the hypotheses used to explain its evolution. We will focus on human data and the genetics of aging in human populations, but use examples from across the domains of life to illustrate that aging is a universal phenomenon.

Note: For Freshmen only.

***Freshman Seminar 23t. The Methodology Behind Scientific Exploration**

Catalog Number: 96257 Enrollment: Limited to 15.

Amir Yacoby

Half course (spring term). Th., 2–5.

The lab seminar will teach students the methodology behind scientific research, allowing them to experience the investigative cycle: observing a phenomenon, formulating several hypotheses, validating the various hypotheses by experimentation. Students will explore mechanics, electromagnetism, buoyancy, surface tension and more. The experiments will be carried out in groups of two or three students where often the instructor will engage in an interactive discussion about various aspects of the experiments or the theory behind it.

Note: For Freshmen only.

***Freshman Seminar 23v. The Psychology of Powerpoint**

Catalog Number: 88269 Enrollment: Limited to 15.

Stephen M. Kosslyn

Half course (fall term). Th., 2–4.

As humans, our minds have certain strengths and weaknesses, and clear and compelling presentations play to the cognitive strengths of the audience members and avoid falling prey to their weaknesses. We begin by examining pertinent facts about the nature of perception,



memory, and comprehension. We then see how such facts can be applied to making and delivering presentations, and devise novel ways to present information using PowerPoint, Keynote, and other such tools.

Note: For Freshmen only.

***Freshman Seminar 24i. Mathematical Problem Solving**

Catalog Number: 3711 Enrollment: Limited to 12.

Noam D. Elkies

Half course (fall term). M., 2–5.

Explores mathematical problem solving (and problem posing) in contexts ranging from classroom exercises to competitions to research mathematics, develops strategies and techniques for solving such problems. Participants will solve selected problems in various areas of mathematics and at a range of difficulty levels, and will present, compare and reflect on their and other participants' solutions.

Note: Open to Freshmen only.

Prerequisite: Intended for students with a strong interest in mathematics, particularly those who do not already have extensive training in mathematical problem solving.

***Freshman Seminar 24l. Imagining the Future: Biotechnology, Ethics and the Transformation of the Human in the 20th Century**

Catalog Number: 67498 Enrollment: Limited to 15.

James Benjamin Hurlbut

Half course (spring term). W., 2–5.

This course examines controversies surrounding human biotechnological self-transformation since 1900. Drawing on a wide range of readings, the course explores how concepts of technological progress, democratic politics, human nature, and the good have been drawn together around specific technoscientific projects. Critical reading of historical documents is emphasized with an eye to the way futures have been imagined and pasts have been invoked in contending with problems of the present.

Note: For Freshmen only.

***Freshman Seminar 24n. Child Health in America**

Catalog Number: 6367 Enrollment: Limited to 15.

Judith Palfrey (Medical School)

Half course (fall term). M., 4–6.

Reviews history of children's health care in the United States; explores the impact of geography, environment, nutrition, clean water, as well as scientific discoveries of the late 19th and the early 20th centuries and the emergence of high technology care in middle and late 20th century. Does America provide children the best possible health care available? Compares United States epidemiology with that of other developed and developing nations. Explores how child health delivery is financed.

Note: Open to Freshmen only.

***Freshman Seminar 25g. The Impact of Infectious Diseases on History and Society**

Catalog Number: 8075 Enrollment: Limited to 15.

Donald A. Goldmann



Half course (fall term). Th., 7–9 p.m.

Mankind's journey- farming, urbanization, exploration, trade, globalization -has been marked by devastating encounters with infectious diseases. Infections have affected wars, political dynasties, global balance of power, social structure, public health policy, economics, and the arts. This course explores these themes by studying infections such as plague, syphilis, smallpox, malaria, sleeping sickness, tuberculosis, cholera, yellow fever, polio, and influenza. It investigates how the epidemiology of these diseases, and society's response, inform contemporary policy and future threats.

Note: Open to Freshmen only.

***Freshman Seminar 25i. On the Witness Stand: Scientific Evidence in the American Courts**

Catalog Number: 81814 Enrollment: Limited to 15.

Sean Tath O'Donnell

Half course (fall term). Th., 2–4.

Scientific evidence serves as a powerful witness in the courts. This seminar focuses on social, historical and theoretical problems in the interaction of law and science. The course coverage includes scientific evidence such as x-rays, fingerprinting, ballistics, lie detectors and DNA. Particularly, the seminar investigates the legal strategies used to demarcate pseudo-science from legitimate science, to establish expertise and legitimize both scientific and legal authority. In turn, the seminar considers recent proposals for reform.

Note: For Freshmen only.

***Freshman Seminar 25k. You Are What You Eat**

Catalog Number: 3913 Enrollment: Limited to 15.

Karin B. Michels (Public Health, Medical School)

Half course (fall term). M., 4–6.

What does food do to our bodies? What does a healthy diet entail? What is known about the role of nutrition in preventing or curing disease? Explores and critically evaluates diet recommendations, current knowledge about the role of diet in maintaining health, and use of nutrition to treat disease. Discusses how studies are conducted to understand the impact of nutrition. Explores different diets and the obesity epidemic, its causes and its implications for the next decades.

Note: Open to Freshmen only.

***Freshman Seminar 25n. Understanding Psychological Development, Disorder and Treatment: Learning through Literature and Research**

Catalog Number: 9589 Enrollment: Limited to 12.

Nancy Rappaport (Medical School)

Half course (spring term). Th., 3–5.

Deepens understanding of human development and how individuals cope with serious emotional or social difficulties (neglect, bipolar disorder, autism, depression). We will use multiple perspectives: medical texts that provide practical knowledge, narrative readings to understand how patients experience the meaning of illness, speaking with patients about their experiences, and portrayals of development-related mental illness in the press. Examines the fundamental need for tenderness and making meaning, the resourcefulness required for resiliency and the



context of vulnerability.

Note: Open to Freshmen only.

***Freshman Seminar 25p. Neurotoxicology: Biological Effects of Environmental Poisons**

Catalog Number: 1838 Enrollment: Limited to 15.

S. Allen Counter (Medical School)

Half course (fall term). W., 2–4.

Explores wide range of environmental neurotoxic substances and effects on human and animal populations. Attention to pediatric exposure to neurotoxic agents and associated neurodevelopmental disabilities, as well as neurobehavioral and immunological changes. Examines impact of lead and mercury poisoning, PCBs. Investigates neurophysiology and neurochemistry of a number of other neurotoxins, including arsenic, tetrodotoxin, saxitoxin, botulinum, curare, cocaine, and "nerve gas." What dangers do these toxins pose? What can or should be done to prevent exposure?

Note: Open to Freshmen only.

***Freshman Seminar 25t. AIDS in Africa**

Catalog Number: 0024 Enrollment: Limited to 14.

Myron Essex (Public Health) and Tun-Hou Lee (Public Health)

Half course (spring term). Tu., 1–3.

HIV/AIDS has infected or killed more than sixty million people, and no vaccine is expected within five to ten years. About two-thirds of current infections are in ten percent of the world's population in sub-Saharan Africa, where few patients receive life-saving treatment. Explores dimensions of AIDS in Africa including the evolution and epidemiology of HIV, the pathobiology of AIDS, prevention of infection, and treatment of disease. Encourages multidisciplinary approaches, using country-specific illustrations of successful interventions.

Note: Open to Freshmen only.

***Freshman Seminar 25u. The Atomic Nucleus on the World Stage**

Catalog Number: 0027 Enrollment: Limited to 12.

Roy J. Glauber

Half course (fall term). F., 1–3, Tu., 2–4.

In 1939 realization that atomic nuclei can undergo fission arrived as a surprise. Traces some of the history leading to understanding of the properties of nuclei and their constituents. Studies wartime project that developed both nuclear power sources and weapons; readings supplemented by instructor's own recollections of this project. Investigates formidable problems posed by control of nuclear weapons, development of nuclear reactors, and hope that thermonuclear reactions may provide an abundant source of clean energy.

Note: Open to Freshmen only.

***Freshman Seminar 25w. Responsibility, the Brain, and Behavior**

Catalog Number: 0049 Enrollment: Limited to 12.

Ronald Schouten (Medical School)

Half course (fall term). M., 7–9 p.m.

Explores philosophical and legal bases of the concept of individual responsibility as applied in the criminal justice system. Examines how forensic mental health professionals assess an



individual's mental state at time of an alleged criminal act, the legal standards applied, and the social and political forces that help shape the legal decision. Considers the insanity defense; examines modern concepts of the biological basis of behavioral disorders and their relationship to existing standards of criminal responsibility.

Note: Open to Freshmen only.

***Freshman Seminar 25z. Stress and Disease (Biobehavioral Aspects of Health and Disease)**

Catalog Number: 1691 Enrollment: Limited to 15.

Donald B. Giddon (Dental School)

Half course (fall term). W., 2–4.

This seminar on biobehavioral bases of health and disease focuses on the interaction of injurious or infectious agents and the physical and social environment in the development and maintenance of stress-related disorders. What factors are stressful for given individuals? What are the pathophysiological and/or behavioral pathways to disease? Why is a particular body organ system the target of stress? What psychological, social, and economic factors influence cognitive, affective/physiological, and behavioral responses to disease?

Note: Open to Freshmen only. Most class meetings will be at the Medical School.

***Freshman Seminar 26j. The Universe's Hidden Dimensions**

Catalog Number: 7529 Enrollment: Limited to 15.

Lisa Randall

Half course (spring term). W., 2–4.

Based loosely on book, *Warped Passages*, considers revolutionary developments in Physics in early 20th century: quantum mechanics and general relativity; investigates key concepts which separated these developments from the physical theories which previously existed. Topics: particle physics, supersymmetry, string theory, and theories of extra dimensions of space. We will consider the motivations underlying these theories, their current status, and how we might hope to test some of the underlying ideas in the near future.

Note: Open to Freshmen only.

***Freshman Seminar 26m. The Childhood Origins of Mental and Physical Health Outcomes**

Catalog Number: 7084 Enrollment: Limited to 15.

Charles A. Nelson (Medical School)

Half course (fall term). M., 2–4.

Explores the role of early experience as a major causative mechanism in altering the course of human development, with particular emphasis on neurological and psychological health. Introduces general topic and develops a list of possible areas of investigation. Participants then will be responsible for preparing and leading discussion on a particular question or issue, primarily by reading in a given area and then summarizing this area in a written report. Reviews current knowledge; discusses desirable research.

Note: Open to Freshmen only.

Prerequisite: Background in introductory psychology, neuroscience, or biology desired.

***Freshman Seminar 26s. Mathematical Structures and Gödel's Completeness Theorem**

Catalog Number: 0012 Enrollment: Limited to 12.

Gerald E. Sacks



Half course (spring term). M., 4–6.

Mathematics is about structures. Some examples of structures are: the integers, the real numbers, and Euclidian plane geometry. Model theory, a branch of mathematical logic, provides a useful definition of structure. Gödel's completeness theorem shows how logically consistent definitions imply the existence of arbitrary mathematical structures. Model theory is applicable to problems that arise in algebra. An example is: the elementary theory of the real numbers is decidable.

Note: Open to Freshmen only.

Prerequisite: High school algebra and a strong interest in fundamental mathematical problems.

***Freshman Seminar 26u. What is Mental Illness?**

Catalog Number: 9123 Enrollment: Limited to 12.

Michael William Kahn (Medical School)

Half course (fall term). M., 2–5.

Introduces students to the nature of mental illness based on taped interviews of people suffering from a variety of psychiatric conditions. Investigates what illness and treatment are like from patient's perspective. Interviews supplemented by readings which include a variety of patient narratives. Provides background on categories of mental illness, the varieties of treatment available, and the nature of the illness experience itself.

Note: Open to Freshmen only.

***Freshman Seminar 26v. Blood: From Gory to Glory**

Catalog Number: 9017 Enrollment: Limited to 12.

David T. Scadden

Half course (fall term). W., 1–3.

Humans have long understood that the blood flowing in their veins was imperative to their health and well-being. This course will examine the history, attitudes and beliefs surrounding blood.

We will study human beliefs about blood and its uses in cultural beliefs and ceremonies. We will examine the science associated with blood: the production and the function of blood in the body, ideas of blood regarding medicine, healing, blood-related illnesses, biotechnology, nanotechnology and stem cell research.

Note: For Freshmen only.

***Freshman Seminar 26w. The Biology and Science of Cancer and Its Treatments: From Empiric to Scientific to Humanistic**

Catalog Number: 63338 Enrollment: Limited to 15.

David Stanley Rosenthal (Medical School), George D. Demetri (Medical School)

Half course (fall term). Tu., 4–6.

"Cancer" represents hundreds of different diseases with a wide variety of causative mechanisms. We will study the biology of cancer and what makes a normal cell become a cancer one, delving into acquired and inherited genetic abnormalities and effects of environmental factors, such as nutrition, radiation, and tobacco. Current approaches to cancer will be discussed from prevention and early detection to treatment of survivorship.

Note: For Freshmen only.

***Freshman Seminar 26x. The Burden of Cardiovascular Disease in the Developing World: A Silent Epidemic**



Catalog Number: 93552 Enrollment: Limited to 15.

Thomas Andrew Gaziano

Half course (fall term). W., 2–5.

This course will look at the emerging epidemic of cardiovascular disease in the developing world, which accounts for almost 80% of worldwide CVD deaths. Specifically, the course will investigate the particular economic challenges, cultural appropriateness, resource availability, policy tools, and challenges to successful implementation of interventions to reduce CVD. Attention will also be paid to the simultaneous battle against infectious diseases or other local health challenges in these resource poor settings.

Note: For Freshmen only.

***Freshman Seminar 26z. What is Life?**

Catalog Number: 20722 Enrollment: Limited to 15.

Guido Guidotti

Half course (spring term). W., 2–4.

This seminar considers the conditions of a cell necessary to support life. The proposal is to find a definition for a living system using information and principles of biology, chemistry and physics to characterize some central properties of living cells, like energy and material uptake and use, cellular crowding, diffusion and molecular interactions, homeostasis and growth.

Note: For Freshmen only.

***Freshman Seminar 30l. George Balanchine: Russian-American Master**

Catalog Number: 7650 Enrollment: Limited to 15.

John E. Malmstad

Half course (spring term). W., 3–6.

Addresses the life and major works of the Russian-American ballet master George Balanchine. Focus on his view of dance and on analysis of the ballets that he made in a career than spanned some sixty years in Russia, Europe, and the United States. Considers the relationship of his works to the intellectual and cultural climate in which they were made. Over 20 ballets to be examined.

Note: No knowledge of ballet and its vocabulary is required or assumed. Open to Freshmen only.

***Freshman Seminar 30o. What is College and What is It For?**

Catalog Number: 1897 Enrollment: Limited to 15.

Paul J. Barreira (Medical School)

Half course (spring term). W., 3–5.

Seminar asks students to think and write critically about American higher education--its history, purpose and ongoing challenges. Considers "the uses of the university" from a variety of perspectives: historical, sociological, economic, and developmental. Addresses questions: What constitutes a liberal arts education? What are its goals? How should students be assessed? What role do extracurricular activities play in a college education? Does bachelor's degree certify a vocational education, a cultural one, or a moral one?

Note: Open to Freshmen only.

***Freshman Seminar 30u. Ancient Interpretive Traditions and the Great Stories of the Bible**



Catalog Number: 78445 Enrollment: Limited to 15.

John L. Ellison

Half course (spring term). W., 2–4.

This seminar will explore some of the great stories of the Hebrew Bible (Christian Old Testament), such as the creation story, the story of the "fall of man," and the flood. We will and look at how these stories have been interpreted and understood over time. Readings will be taken from the Hebrew Bible (in English), the Christian Bible (New Testament) which interprets the great stories, and from early Christian and Rabbinic traditions.

Note: For Freshmen only.

***Freshman Seminar 31j. Skepticism and Knowledge**

Catalog Number: 9760 Enrollment: Limited to 15.

Catherine Z. Elgin (School of Education)

Half course (fall term). Tu., 3–5.

What can we know; how can we know it? Can I know that I am not a brain in a vat being manipulated into thinking that I have a body? Can I know that Lincoln was assassinated, that $E=MC^2$, that Hamlet is better than Harry Potter, that the sun will rise tomorrow? This seminar will study skeptical arguments and responses to skepticism to explore the nature and scope of knowledge.

Note: Open to Freshmen only.

***Freshman Seminar 31o. Negotiating Identity in Postcolonial Francophone Africa and the Caribbean**

Catalog Number: 6293 Enrollment: Limited to 15.

Mylène Priam

Half course (spring term). Tu., 1–3.

Explores the question of postcolonial identity through the trans-regional study of literature, poetry, cultural works, and critical theory from Africa and the Caribbean. Provides an overview of the major theoretical definitions of the postcolonial in an attempt to find formulations of postcolonial identity not only in terms of aesthetic, but also historical, geographical, linguistic, and institutional discourses. Reading will include "Diaspora.Texts" in French and English.

Note: Open to Freshmen only.

***Freshman Seminar 31s. Heist: The Culture and Politics of Art Theft, Grave Robbery, and Looting**

Catalog Number: 2258 Enrollment: Limited to 15.

Nenita Ponce de Leon Elphick

Half course (fall term). W., 2–4.

Considers art theft from several angles, looking first at the popular appeal and glamorization of art heists in fiction and film and then focusing on different types of art theft (heists, grave robbery, and looting) to critically examine and debate the ethical issues and legalities of provenance and provenience that concern public and private collectors, museums, institutions, and the international art market. Topics include the Elgin Marbles, Nazi looting, and the national treasures of Iraq.

Note: There will be additional meeting times for film screenings. Open to Freshmen only.



***Freshman Seminar 31t. The Modern Image: Intersections of Photography, Cinema, and Italian Culture**

Catalog Number: 1467 Enrollment: Limited to 15.

Giuliana Minghelli

Half course (spring term). Th., 1–3.

How are literary, photographic, and cinematographic visions connected? Investigates these issues through the study of major 20th-century Italian novels and films. Contrasts early literary dreams to appropriate the objectivity of the photograph with mythic fear of being appropriated by the machine. Studies how visual language and movie storytelling became the new training ground for the literary imagination; examines texts that openly mix narrative and photography.

Investigates the boundaries of visual and written texts.

Note: Open to Freshmen only.

***Freshman Seminar 31w. A Question of Taste**

Catalog Number: 8061 Enrollment: Limited to 15.

James S. Murphy

Half course (fall term). W., 3–5.

Explore concepts of taste developed within science, sociology, and philosophy over the past three centuries alongside poetry and fiction from the same timeframe. Considers the sources, uses, and ways aesthetic judgments are entangled in debates over nature/nurture, class, democracy, education, consumption, rebellion, and ethics. Authors to be read include Lehrer, Pope, Hume, Austen, Bourdieu, James, Calinescu, and Nabokov.

Note: Open to Freshmen only.

***Freshman Seminar 32e. Mapping the British Empire**

Catalog Number: 7057 Enrollment: Limited to 15.

Penny Joy Sinanoglou

Half course (fall term). Tu., 2–4.

This course examines the production and consumption of surveys, maps, and charts of the British Empire across a broad geographical and temporal span from early sketch-maps of North America through to detailed city maps used during planning for the partition of Palestine. Readings are divided both geographically and chronologically so that the course moves through the stages of exploration, consolidation, and decolonization across the breadth of the British Empire.

Note: For Freshmen only.

***Freshman Seminar 32k. The Poetry of Walt Whitman**

Catalog Number: 51854 Enrollment: Limited to 12.

Helen Vendler

Half course (fall term). Tu., 2–4.

The seminar studies Whitman as a self-consciously nationalist poet, as an inheritor of English verse, as a creator of a single lifelong book, and as a poet of homosexual affection. It considers Whitman's Americanization of lyric genres (the landscape poem, the love poem, the elegy, the bildungsroman, the war poem, and others), the private and collective speaking self, Whitmanian sequences, catalogues, forms of inception and closure, prosody, and architectonic structures.

Note: For Freshmen only.



***Freshman Seminar 32l. Freud and Philosophy**

Catalog Number: 6594 Enrollment: Limited to 15.

Richard Moran

Half course (fall term). W., 2–4.

Introductory reading of Freud's writings, touching on all the major areas of his work. Reads a case history, major concepts of psychological theory, essays on sexuality, cultural-historical reflections, writings concerned with literature and art. Concerned with the question of what kind of theory or way of thinking Freud is presenting, and its relation to both scientific, philosophical, and everyday modes of understanding.

Note: Open to Freshmen only.

***Freshman Seminar 32v. The Art of Storytelling**

Catalog Number: 7011 Enrollment: Limited to 15.

Deborah D. Foster

Half course (spring term). Tu., 2–4.

People everywhere tell stories to express both the verities and contradictions found in experiences of everyday life. Based on storytelling traditions, a narrator shapes the story to reflect his or her own intentions, making it personally expressive as well as publicly meaningful to a particular audience. This seminar examines the nature of storytelling, its enduring appeal, and its ability to adapt to multiple technologies (print, film, internet). Participants engage in the storytelling process itself.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 32w. African Musical Traditions**

Catalog Number: 2465 Enrollment: Limited to 12.

Kay Kaufman Shelemay

Half course (spring term). W., 1–3.

The seminar will explore selected African musical traditions and the manner in which musical expression is linked to other aspects of African life through a comparative reading of recent musical ethnographies (with accompanying audio and visual materials). Topics will include African music histories, performance styles, and systems of meaning. Participants should be interested in music and conversant with one musical tradition and will attend two African music concerts and have five 'hand's on' sessions exploring African musical instruments.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 32x. Topics in Indo-Tibetan Buddhism**

Catalog Number: 2937 Enrollment: Limited to 12.

Leonard W. J. van der Kuip

Half course (fall term). Tu., 1–4.

Through the study of Tibetan Buddhism, students will consider important issues of cultural contact by investigating a series of interrelated topics that have played a significant role in Tibetan history and that are connected to Tibet's acculturation to Buddhism in the eighth and ninth centuries. After developing a sense of the historic role of Buddhism in Tibetan life, students will consider the role of Buddhism and the Dalai Lama in contemporary Tibetan culture



and society.

Note: Open to Freshmen only.

***Freshman Seminar 33e. The Idea of Italy**

Catalog Number: 73162 Enrollment: Limited to 15.

Robert J. Kiely

Half course (fall term). W., 2–4.

In 19th and early 20th centuries, Britons and Americans flocked to Italy, drawn by its art, history, climate, and people, to write, paint, and live free from the constraints of home. This course will explore the "Italy" of the imagination created by writers, Byron, Browning and Ruskin Mark Twain, Henry James, Edith Wharton, and compare it to political, cultural, artistic Italy that they actually found. Literary texts will be the focus, but paintings will also be studied.

Note: For Freshmen only.

***Freshman Seminar 33g. Eloquence Personified: How To Speak Like Cicero**

Catalog Number: 87351 Enrollment: Limited to 12.

Christopher B. Krebs

Half course (spring term). M., 2–4.

This seminar is an introduction to Roman rhetoric, Cicero's Rome, and the active practice of speaking well. Participants read a short rhetorical treatise by Cicero, analyze one of his speeches as well as recent speeches by Obama, and watch the latter's oratorical performance. During the remainder of the term they practice rhetoric, prepare and deliver in class two (short) speeches, and write an essay.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 33i. What is Music?**

Catalog Number: 3112 Enrollment: Limited to 15.

Christopher Hasty

Half course (spring term). W., 1–3.

This course is an introduction to what is conventionally called music theory, permitting students to hear and think about music in sophisticated and creative ways. The seminar explores music from fully sensible and intellectual perspectives avoiding needless abstraction. Web-based materials designed for this course will be used for activities of close listening, analysis, and composition. Repertory will center on Western Classical music of the 18th and 19th centuries.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative. Students need to be able to read music only and a wide diversity of musical backgrounds are welcomed.

***Freshman Seminar 33l. Americans Abroad: American Travel Narratives and Histories**

Catalog Number: 3229 Enrollment: Limited to 15.

Katherine Stebbins mcaffrey

Half course (fall term). W., 2–4.

In this course, students will be invited to get lost, like Mark Twain, Ralph Waldo Emerson, and scores of others did (and do), in the pleasures and pains associated with travel, and led to explore and question the history, literature, economics, politics, and spectacle of Americans abroad



through reading travel writing by Americans. Together we will consider the ways in which travel and tourism complicate ideas about Americans' cultural and social mobility.

Note: For Freshmen only.

***Freshman Seminar 33n. Lives of the Dead**

Catalog Number: 6022 Enrollment: Limited to 15.

Karen E. Bishop

Half course (fall term). Th., 2–4:30.

This class examines a corpus of works that portrays the lives of the dead body. Students decipher what the body reveals in death, what desires it embodies, what losses and sacrifices it signifies, and what ethical demands it places on the living. Readings and discussions focus on the aesthetic, cultural, and political manifestations of the dead, disappeared, embalmed, copied, errant, tortured, dismembered, buried and re-membered body in major works of Western literature and cultural studies.

Note: For Freshmen only.

***Freshman Seminar 33o. Animation--Getting Your Hands On Time**

Catalog Number: 37616 Enrollment: Limited to 15.

Ruth S. Lingford

Half course (fall term). W., 1–4; F., 1–3.

Experimentation with a variety of animation techniques leads to new perspectives on time in this practice-based seminar. Practical assignments using drawing, pixillation, strata-cut and time-lapse will build into students making a short animated film, individually or in groups.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 33p. The Self: A Philosophical Investigation**

Catalog Number: 36493 Enrollment: Limited to 15.

Cheryl K. Chen

Half course (spring term). W., 2–4.

A philosophical investigation into the nature of the self. Topics include the mind-body problem, personal identity and ethical issues related to death and survival.

Note: For Freshmen only.

***Freshman Seminar 33t. Symbols in the Novel**

Catalog Number: 5563 Enrollment: Limited to 15.

Jacob M. Emery

Half course (fall term). M., 1–3.

This seminar examines a set of modern novels from Europe and North America that are highly involved with symbolic thought and language, as well as a selection of philosophical writings on symbolization and figure. Authors include Vladimir Nabokov, Henry James, Franz Kafka, Virginia Woolf, Hermann Melville, Alasdair Gray, Andrei Bely, Sigmund Freud, Susan Sontag, and Friedrich Nietzsche.

Note: Open to Freshmen only.



***Freshman Seminar 33u. "Our Homegrown Borges": Avatars of Jorge Luis Borges in 20th Century Literature**

Catalog Number: 66707 Enrollment: Limited to 15.

Antonio Cordoba

Half course (fall term). Tu., 2–4.

Borges is one of the central figures in 20th-century literature. An international standard to which other authors can be compared in ways immediately understandable, he has given western consciousness new ways to read the world. He is, also, an intensely Argentine writer. This course explores this dual nature, local and global. The first half of the course covers Borges' work; the second half traces his presence in European, North American and Latin American authors.

Note: For Freshmen only.

***Freshman Seminar 33v. Buddhist Visualization in a Chinese Cave: Body, Time, and Cosmos**

Catalog Number: 2530 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Th., 3–5.

The seminar is an introduction to Buddhism and art history by focusing on a fifth-century Chinese cave. The images therein show episodes from the Buddha's past and present lives (his bodily sacrifices and demon-subjugation, etc.), which involve key concepts of Buddhism, including body, time, and cosmos. Poor visibility in the cave calls for inquiries into modes of cognition and religious functions. The interdisciplinary study explores issues of art, religion, anthropology, and cognitive psychology.

Note: For Freshmen only.

***Freshman Seminar 33w. Moving Pictures: Pictorial Narrative in Japan**

Catalog Number: 82937 Enrollment: Limited to 15.

Melissa M. McCormick

Half course (spring term). Th., 2–5.

Dynamic forms of visual storytelling abound in Japan, from twelfth-century narrative scrolls, to twentieth-century manga, to contemporary anime. This seminar examines the fundamentals of Japanese pictorial narrative by analyzing formal characteristics of both images (composition, framing, line, color), and narrative texts (plot, temporality, character) and how these elements interact to generate meaning. Students will create their own illustrated scrolls, manga, and storyboards to understand the potential and limitations of visual narrative.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative. No Japanese language required.

***Freshman Seminar 33x. Complexity in Works of Art: Ulysses and Hamlet**

Catalog Number: 6673 Enrollment: Limited to 12.

Philip J. Fisher

Half course (fall term). M., 2–4.

Do inherited forms found in literature permit only certain variations within experience to reach lucidity? Investigates literature's limits in giving account of mind, everyday experience, thought, memory, full character, and situation in time. Studies Shakespeare's Hamlet and Joyce's Ulysses, a modern work of unusual complexity and resistance to both interpretation and to simple



comfortable reading. Reading these two works suggests potential meanings for terms like complexity, resistance, openness of meaning, and experimentation within form.

Note: Open to Freshmen only.

***Freshman Seminar 33y. Odysseys**

Catalog Number: 14521 Enrollment: Limited to 15.

Francesca Schironi

Half course (fall term). W., 4–6.

Through the analysis of the Odyssey, and of its ancient and modern adaptations, the seminar focuses on the various aspect of Odysseus, an ambiguous and multi-faceted hero: Odysseus as a 'Greek epic' hero, as a folktale 'hero on a quest', as a 'philosophical' hero, as a negative hero, or as a 20th century anti-hero. How have Odysseus and the Odyssey been 'changed' and 'adapted' through the centuries to convey political, intellectual and moral messages?

Note: For Freshmen only.

***Freshman Seminar 34i. Girl Talk: Reflections on Gender and Youth in America**

Catalog Number: 4743 Enrollment: Limited to 15.

Laura K. Johnson

Half course (spring term). Th., 2–4.

This seminar explores what women have to say about growing up female in contemporary America. Sources analyzed include memoirs, documentary films, photographs, and diaries. These sources both depict individual experiences and reflect more broadly on the role gender plays in American society. Topics considered include the various ways gender impacts the experience of athletics, academic achievement, illness, self-esteem, body image, family dynamics, violence, and immigration.

Note: Open to Freshmen only.

***Freshman Seminar 34j. Medieval and Early Modern Love Poetry**

Catalog Number: 57137 Enrollment: Limited to 15.

Luis M. Girón Negrón

Half course (fall term). W., 2–4.

Does love have a history? This seminar explores a particularly rich episode in its literary history: efflorescence of love poetry in medieval Europe and the Middle East. Close readings of troubadour lyric in Provençal, German, French and Galician-Portuguese; Latin amatory verse; Petrarchan sonnets and their heirs; Arabic-Hebrew muwashshahat; mysticism; Dante, Juan Ruiz and Roman de la Rose. Attention given to premodern discussions on love and scholarly views on how medieval European love lyric originated.

Note: For Freshmen only. All primary readings will be available both in English translation and in the original languages.

Prerequisite: There are no prerequisites.

***Freshman Seminar 34m. Leonard Bernstein and His World**

Catalog Number: 0175 Enrollment: Limited to 15.

Carol J. Oja

Half course (fall term). W., 1–3.

Conductor, composer, teacher, television personality, Bernstein embraced new technologies with



gusto, bringing classical music to a wider audience than ever before. As composer of a series of innovative Broadway musicals, including *West Side Story* (1957), he also challenged the status quo. Explores Bernstein's career in the round, looking at concurrent cultural patterns. Special focus on his relationship to mass media. Course includes an opportunity to dance to the choreography of Jerome Robbins.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

Prerequisite: Music literacy is desirable but not required. No previous dancing experience is required.

***Freshman Seminar 34p. Literature and the Possibility of Justice**

Catalog Number: 9604 Enrollment: Limited to 15.

Avi Matalon

Half course (fall term). W., 2-4.

The seminar will explore influential literary texts that present problems of justice and examine questions suggested by the texts: Are justice and injustice absolute concepts or do they emerge from context? To what extent do different cultures, periods, texts have different expectations of justice? Readings include Aeschylus's *Oresteia*, Sophocles' *Oedipus the King*, Euripides' *Bacchae*, the Book of Job, Dante's *Inferno*, Montaigne's *Essays* (three essays), Shakespeare's *King Lear*, Goethe's *Faust*, Mary Shelley Wollstonecraft's *Frankenstein*, Coetzee's *Disgrace*.

Note: Open to Freshmen only.

***Freshman Seminar 34t. Experimental Fiction**

Catalog Number: 72244 Enrollment: Limited to 15.

George G. Grabowicz

Half course (fall term). W., 2-4.

Experimentation in modern prose fiction as a challenge to formal conventions, to "content" and to society. Examines the role of the fantastic; play with narrative and perspective; stream-of-consciousness, fragmentation and collage; mixing of genres and modes; hypertextuality, intertextuality and parody; constraints (lipograms), and the intersection of prose, poetry and visual art. Focuses on the works of Kafka, Joyce, Gertrude Stein, Nabokov, Robbe-Grillet, Gombrowicz, Barthelme, Pynchon, Calvino, Pavic, Matthews and Philips.

Note: For Freshmen only.

***Freshman Seminar 34z. Pressing the Page: Making Art with Letters, Paper & Ink**

Catalog Number: 97712 Enrollment: Limited to 12.

Zachary Sifuentes

Half course (spring term). M., W., 4-6.

This seminar meets in the Bow & Arrow Press, a vintage letterpress studio in Adams House. We work with lead type to explore language as both a verbal and visual medium, in which words might spell out poetry as readily as they represent, say, swarms of birds. We ask: what's possible when language is art? In the process, we work with a variety of limits-some physical, some imaginative-to see constraint as fundamental to creativity.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.



***Freshman Seminar 35e. What is Beauty?**

Catalog Number: 26923 Enrollment: Limited to 15.

Francesco Erspamer

Half course (fall term). W., 2–4; W., 11–4.

Beauty teaches the conditional nature of values and the revocability of absolutes: it is a most effective training for tolerance and innovation. Selections from Plato, Kant, and other classics of aesthetics are discussed in the first part of this seminar. The second part explores the representation of beauty in Italian literature, art, opera, cinema, and design. Topics include the Renaissance "invention" of art, Mozart's *Don Giovanni*, Fellini's *La dolce vita*, and Benetton's advertising campaigns.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 35l. War, Violence and Memory in 20th Century Europe**

Catalog Number: 3854 Enrollment: Limited to 15.

Katrina Maria Hagen

Half course (fall term). W., 1–4.

This seminar explores the relationship of history and memory in the context of war and genocide in 20th century Europe. It charts the shifting "politics of memory" from the First and Second World Wars, to wars of decolonization in the 1950s and 60s, to post-Cold War ethnic cleansing in the former Yugoslavia. Assignments include short response papers, and a research project with an oral presentation.

Note: For Freshmen only.

***Freshman Seminar 35q. Dilemmas of the Public Intellectual in the Twentieth Century**

Catalog Number: 1813 Enrollment: Limited to 15.

Joshua Humphreys

Half course (fall term). Hours to be arranged.

This seminar explores the role of public intellectuals during the twentieth century. We give special attention to intellectuals' responses to the First and Second World Wars, fascism and communism, and colonialism and decolonization. The seminar also asks whether public intellectuals continue to have a viable role to play today or, rather, have been displaced by new forces in public life. Authors include, among others, Arendt, Bourdieu, Gide, Gramsci, Habermas, Posner, Said, Sartre, Walzer, and Zola.

Note: Open to Freshmen only.

***Freshman Seminar 35s. Movement and Meaning: Dance, Culture, and Identity in the 20th Century**

Catalog Number: 46522 Enrollment: Limited to 15.

Jessica Berson

Half course (fall term). M., 1–3.

This course examines the history of Western theatrical and social dance through the course of the twentieth century, including the development of modern dance, contemporary ballet, popular dance, and dance in film and television. Students will be invited to think critically about dance and also to dance themselves (no prior dance experience required). Artists under consideration include Martha Graham, George Balanchine, Alvin Ailey, Judson Church Dance Theater, and



Jawole Willa Jo Zollar, among many others.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 36t. Gods, Myths, and Rituals: Polytheism in Ancient Greece**

Catalog Number: 51141 Enrollment: Limited to 15.

Albert Henrichs

Half course (fall term). M., 2–4.

The Greeks had no word for religion and no sacred books, but their gods were a ubiquitous presence in public and private life, particularly through the transmission of myth and the performance of ritual. Drawing on a wide selection of original sources and modern interpretations of Greek religion, this seminar will offer an introduction to all aspects of the religious experience in ancient Greece and will explore ways to rethink the boundaries of human religiosity.

Note: For Freshmen only.

***Freshman Seminar 36y. Alternative Narratives: An Introductory Seminar on the Modern Literature and Historiography of Latin America - (New Course)**

Catalog Number: 70076 Enrollment: Limited to 15.

Rodolfo Fasquelle Pastor

Half course (fall term). W., 4–6.

The narrative of past events is not the exclusive province of historical literature. Novels and other literary genres have concerned themselves with the past as such and as signifier. Using both literary analysis and historical methods we will contrast novels and histories and explore the manner in which both literary works and historiography feed on each other, contribute to the construction of national myths, identities and to the richer understanding of the past as alternate experience.

***Freshman Seminar 37i. Love, Medieval Style**

Catalog Number: 5514 Enrollment: Limited to 15.

Sally Livingston

Half course (fall term). Th., 3–5.

In this course we will examine the medieval obsession with love in all its diverse forms, reading (in translation) from the Latin, French, and English medieval literatures. Some of the broad themes we will examine are the interplay between the secular and sacred idea of love, medieval sexualities, the rise of lovesickness as a both a literary theme and medical malady, and the growing connection of love and marriage.

Note: For Freshmen only.

***Freshman Seminar 37n. What's in a Coin? The World of Numismatics - (New Course)**

Catalog Number: 57879 Enrollment: Limited to 15.

Carmen Arnold-Biucchi

Half course (spring term). Th., 2–4.

This seminar offers a hands-on introduction to the world of ancient coins using the collections of the Harvard Art Museums. Ancient coins are important objects of material culture as well as original works of art in miniature. They give clues about the history, geography and religion of



the ancient world: by looking at them in detail we can learn about Greek and Roman portraiture, political propaganda, and the myths and legends of that time.

***Freshman Seminar 38j. Medicine and Literature**

Catalog Number: 0116 Enrollment: Limited to 15.

Elaine Scarry

Half course (fall term). Tu., 2–4.

Based on literary and medical texts. Addresses: Can language express physical pain? Can the body-in its fragile or injured form-enter literature? Are all our senses (hearing, touch, taste, smell) as vividly present in language as vision is? How does the empathic representation of illness or pain in literature differ from the physician's professional attempt to cure or alleviate suffering or (when that is impossible) to solace the suffering patient?

Note: Open to Freshmen only.

***Freshman Seminar 38l. Literary Theory**

Catalog Number: 4870 Enrollment: Limited to 12.

Joanna Nizynska

Half course (fall term). Th., 2–4.

What is literary theory? What is literary and what is theoretical in literary theory? How can literary theory help us to read and discuss literature? How can literature help us to read and discuss theory? What are the benefits and dangers of engaging with literary theory? This course is designed to map out the field of literary theory for students interested in all fields of the humanities.

Note: Open to Freshmen only.

***Freshman Seminar 39y. Poetry and the Ballad**

Catalog Number: 0046 Enrollment: Limited to 15.

Peter Sacks

Half course (spring term). W., 1–3.

This freshman seminar will focus on the form and history of the ballad as it evolves from the Early Middle Ages and Renaissance to the present. From anonymous songs to the poems of Wordsworth, Coleridge, Keats, Yeats, Auden and others, to the lyrics of Bob Dylan, the course moves between individual poems and literary history.

Note: Open to Freshmen only.

***Freshman Seminar 40i. The Supreme Court in U.S. History**

Catalog Number: 7142 Enrollment: Limited to 15.

Richard H. Fallon (Harvard Law School)

Half course (spring term). Tu., 2–4.

Often described as the world's most powerful court, the US Supreme Court has not always enjoyed high prestige or unquestioned authority. The Court's significance has waxed and occasionally waned, with the variations typically depending on surrounding currents in the nation's social and political history. Examines the history of the Court from the nation's founding to the present. Highlights relation between constitutional law and ordinary politics, and the ways in which they influence one another.

Note: Open to Freshmen only.



***Freshman Seminar 40t. Investigating an American Quilt**

Catalog Number: 9250 Enrollment: Limited to 12.

Laurel Thatcher Ulrich

Half course (fall term). W., 2–4.

Introduces students to the wonders of Harvard's museums and libraries through investigation of a ragged crib quilt made in Missouri in the 1920s. Shows how close investigation of a common object can reveal unseen connections between politics, economics, literature, and the visual arts.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 40u. Dealing With the Global Financial Crisis**

Catalog Number: 98044 Enrollment: Limited to 15.

Kenneth Rogoff

Half course (fall term). M., 4–6.

This course looks at approaches taken by different countries to dealing with the recent global financial crisis. What can we learn from historical experiences? How should the future of financial system be shaped? No formal background in economics is required, although a number of readings at the level of Economist and the Financial Times will be assigned. There will be regular short writing assignments and a longer term paper.

Note: For Freshmen only.

***Freshman Seminar 41g. The Faces of Human Rights in Latin America: Anthropological Perspectives**

Catalog Number: 0088 Enrollment: Limited to 15.

Theodore Macdonald

Half course (fall term). Tu., 4–6.

Analyses current human rights issues and related social movements in Latin America. Examines how human rights language and legislation influence local people and, conversely, how local claims and cases shape interpretation and practice of human rights. Introduces basic theoretical, legal, and institutional tools of human rights practice. Emphasizes, through anthropological case studies, field methods and students' research, understanding of local perspectives in several of the region's widely known human rights cases.

Note: Open to Freshmen only.

***Freshman Seminar 41p. American Presidential Campaigns and Elections 1960-2008**

Catalog Number: 2004 Enrollment: Limited to 15.

Maxine Isaacs

Half course (fall term). Tu., 1–3.

What can we learn from modern presidential campaigns and elections about our own political era? In this Seminar, we examine changes in campaigns and elections since 1960; demographic shifts of the last fifty years; nature and structure of American public opinion; ways American news media transmit information and people learn about matters in the public sphere - and use all these perspectives to understand the remarkable 2008 presidential campaign and our own times, issues and society.

Note: Open to Freshmen only.



***Freshman Seminar 42k. Comparative Law and Religion**

Catalog Number: 9992 Enrollment: Limited to 15.

Ofrit Liviatan

Half course (spring term). W., 2–4.

Investigates how modern democracies use their legal systems to address religion-based conflicts, and evaluates the effects of the legal process on the resolution of these conflicts. Examines different philosophical approaches to the role of religion in public life and discusses their legal manifestations drawing on legal cases from the US, Turkey, India, Israel, Spain, Canada, and England. Studies contemporary debates about the funding of religious institutions, the wearing of Islamic headscarves.

Note: Open to Freshmen only.

***Freshman Seminar 42m. The New Social History of the Cold War in Asia**

Catalog Number: 5168 Enrollment: Limited to 15.

Michael A. Szonyi

Half course (fall term). Tu., 2–4.

This seminar explores the impact of the Cold War on Asia by looking at communities in places such as Okinawa, Taiwan and Vietnam. How does the history of the Cold War change when our focus shifts from Europe to Asia, and from high politics to issues like daily life, household economy and family relations? What are the Cold War's legacies? How is it remembered? No previous knowledge of the region expected. Readings in English.

Note: Open to Freshmen only.

***Freshman Seminar 42n. Comparative National Security of Middle Eastern Countries**

Catalog Number: 5714 Enrollment: Limited to 15.

Charles David Freilich

Half course (spring term). Tu., 2–4.

The course surveys the national security threats and opportunities facing the primary countries of the Middle East, from their perspective. Issues discussed include the domestic sources of national security considerations, relations with regional and international players, military doctrine, foreign policy principles. The seminar is an interactive, "real world" exercise, in which students play the role of leaders in the countries of their choosing and write practical policy recommendations on current affairs.

Note: For Freshmen only.

***Freshman Seminar 42s. Jews on the Tube: Images and Integration in American Jewry**

Catalog Number: 4921 Enrollment: Limited to 15.

Rachel L. Greenblatt

Half course (spring term). W., 1–4.

Traces the representation and self-representation of Jews in radio, television, and cinema, focusing on questions of integration, assimilation, and Jewish identity. How were Jews portrayed in radio, television, and film? When Jews were artists, actors, directors, and producers, how did they portray themselves? Explores American Jewish history to understand media depictions of Jews and to compare them to non-Jewish historical precedents. How did media portrayals evolve as American Jewish life evolved throughout the 20th century?

Note: Open to Freshmen only.



***Freshman Seminar 42t. The Age of Reason: Science and Religion**

Catalog Number: 3620 Enrollment: Limited to 15.

Stefan Bird-Pollan

Half course (spring term). W., 3–5.

This course will examine the conflict that perhaps best defines the enlightenment, that between science and religion. In doing so, we will examine both the rise of modern science in Bacon and Newton and the various responses to this by figures like Spinoza, Leibniz, Kant, Voltaire, Hume and Diderot. We will examine both atheist texts as well as those which sought to reconcile religion and science.

Note: Open to Freshmen only.

***Freshman Seminar 42u. The Laws of War and the War on Terrorism**

Catalog Number: 9694 Enrollment: Limited to 15.

Gregg Andrew Peebles

Half course (fall term). W., 3–5.

How do the "laws of war" regulate the conduct of the United States in the "Global War on Terrorism?" This seminar examines the historical development of two legal concepts: *jus ad bellum*, which determines the legitimacy of the use of armed force; and *jus in bello*, which defines the duties of belligerent states. Drawing on this background, the seminar explores how these laws have influenced the way the US has conducted military operations since 9/11.

Note: Open to Freshmen only.

***Freshman Seminar 42v. Human Rights Between Rhetoric and Reality**

Catalog Number: 1757 Enrollment: Limited to 12.

Stephen P. Marks (Public Health)

Half course (spring term). Tu., 4–6.

Examines radically different perspectives on the question of whether human rights discourse is merely rhetorical or captures a significant dimension of reality for peoples in diverse cultures. Topics include compatibility of human rights with contending philosophical systems and religions, feminism, and critical theory; challenges to human rights from various scientific perspectives, including evolutionary biology, genetic engineering, and brain research; and the relative significance of human rights in law and government, economics, and foreign policy.

Note: Open to Freshmen only.

***Freshman Seminar 42w. The Book: From Gutenberg to the Internet**

Catalog Number: 6004 Enrollment: Limited to 15.

Robert Darnton

Half course (spring term). W., 1–4.

Examines the impact of books on Western culture from the time of Gutenberg. Hands-on experience in studying the book as a physical object and theoretical reflection on the nature of printing as a means of communication. Students will consider the publishing history of great books such as Shakespeare's First Folio and will address the problem of books as elements in the electronic media.

Note: Open to Freshmen only. Additional time after the seminar meeting may be arranged for hands-on workshops.



***Freshman Seminar 42x. Leisure, Play, and Idleness in Russian Literature**

Catalog Number: 8776 Enrollment: Limited to 15.

Laura Schlosberg

Half course (fall term). M., 3–5.

Can leisure be used to study literature? This seminar examines how Russian writers depicted leisure activities, and used leisure to develop characters and plots. Using this lens onto Russian literature, the seminar considers: the tensions between work and leisure; respectability; leisure as a venue for more "serious" activity; and leisure's dangerous, fictive, and playful aspects. In addition, the seminar explores the related resources available in Houghton Library.

Note: All readings are in English. Open to Freshmen only.

***Freshman Seminar 42y. Women in 20th Century China**

Catalog Number: 58055 Enrollment: Limited to 15.

Henrietta Harrison

Half course (fall term). M., 2–4.

This seminar uses the experiences of Chinese women as a lens through which to discuss the dramatic changes that have taken place in China during the last century. It examines women's progress from footbinding and female infanticide to the factory labourers and successful professionals of today, but also seeks to complicate this story by discussing topics such as the Empress Dowager, who ruled China in 1900, and widespread use of sex-selective abortion today.

Note: For Freshmen only.

***Freshman Seminar 43i. Secularism: Religion's Rival or Democracy's Religion?**

Catalog Number: 0610 Enrollment: Limited to 15.

K. Healan Gaston

Half course (fall term). W., 1–3.

This course examines the emergence of two competing understandings of secularism in contemporary public discourse. One portrays secularism as an inauthentic religion, threatening the traditional faiths that sustain democracy. The other portrays secularism as the authentic religion of democracy, unique in its ability to foster tolerance and respect for freedom of conscience. Students use historical readings to grapple with these paradigms, exploring what each implies about America's religious pluralism and the nature of American democracy.

Note: Open to Freshmen only.

***Freshman Seminar 43j. The Economist's View of the World**

Catalog Number: 35829 Enrollment: Limited to 15.

N. Gregory Mankiw

Half course (fall term). Th., 2:30–5.

This seminar probes how economic thinkers from the right and left view human behavior and the proper role of government in society. Each week, seminar participants read and discuss a brief, nontechnical, policy-oriented book by a prominent economist. Regular writing assignments are also required. Students should have some background in economics, such as an AP economics course in high school or simultaneous enrollment in Social Analysis 10.

Note: For Freshmen only.



***Freshman Seminar 43l. Happiness in Philosophy and Psychoanalysis**

Catalog Number: 15185 Enrollment: Limited to 15.

Lucas S. Fain

Half course (fall term). W., 3–5.

Everyone wants to be happy. But do we even know what we want when we say that we desire happiness? Few questions generate so much existential anxiety and overwhelming philosophical interest. For without knowledge of happiness, how can we know what it means to live a good life? This course examines these questions as they have been considered variously in philosophy and psychoanalysis. Readings include works by Aristotle, Descartes, Rousseau, Kant, Nietzsche, Freud, and Zizek.

Note: For Freshmen only.

***Freshman Seminar 43m. Psychology of Religion**

Catalog Number: 83191 Enrollment: Limited to 15.

Jon Wesley Boyd

Half course (fall term). M., 3–5.

This course addresses some of the fundamental issues of the nature of the self, issues which appear at the intersection of religion and psychology. The course will focus on issues of narrative as well as "world construction," ways in which both individuals and cultures create frameworks of meaning. The readings explore philosophical, psychological, and literary perspectives on religious experience and include works by William James, Freud, Jung, Dostoevsky, Flannery O'Connor, Malcolm X and others.

Note: For Freshmen only.

***Freshman Seminar 43o. Shakespeare and Political Philosophy**

Catalog Number: 82605 Enrollment: Limited to 15.

Alexander T. Schulman

Half course (fall term). W., 2–5.

We read a series of Shakespeare plays alongside classic texts of Western political philosophy in order to explore how Shakespeare illuminates the deepest questions of political philosophy, and vice versa. Though there are many legitimate ways to read classical literature and classical political theory our basic framing questions are existential. That is to say: What is the true condition of, and what are the legitimate hopes for, finite, self-conscious, collective human existence in this world?

Note: For Freshmen only.

***Freshman Seminar 43v. Science, Religion, and Creation**

Catalog Number: 52391 Enrollment: Limited to 15.

Ludmila Ludmilova Guenova

Half course (fall term). Tu., 4–6; Tu., 6–8 p.m.

Does the world reveal evidence of intelligent design? Does creation entail a creator? Can we explain the origins of life only through natural causality, or must we appeal to divine intent? This freshman seminar takes a hard look at the philosophical and scientific underpinnings of classical and contemporary debates concerning the problem of intelligent design. Course readings are from the fields of both science and philosophy. (No previous background in either is required).

Note: For Freshmen only.



***Freshman Seminar 43y. Where Does Your Morality Come From?**

Catalog Number: 9380 Enrollment: Limited to 15.

Alan Dershowitz (Law School)

Half course (fall term). M., 4–6.

What are the sources of morality, law and rights? This seminar explores these sources through a variety of readings: *The Brothers Karamazov*, excerpts from the Old and New Testaments and the Koran as well as from my book, *The Genesis of Justice*), psychology (Steven Pinker, Marc Hauser), philosophy (Robert Nozick, Socrates, Cicero), jurisprudence (my book, *Rights From Wrongs*, Ronald Dworkin) and positive law (the Declaration of Independence, the Constitution, and foundational documents from other countries).

Note: Open to Freshmen only.

***Freshman Seminar 43z. Cyberspace in Court: Law of the Internet**

Catalog Number: 2880 Enrollment: Limited to 15.

Phillip Robert Malone

Half course (fall term). Hours to be arranged.

How collisions of interests in online space play out in lawsuits or in proposals before legislatures -- controversies involving Google, YouTube, Apple, Microsoft, MySpace. Examines broad questions of social and technology policy through the lens of law and specific lawsuits. Topics: copyright and fair use, peer-to-peer file sharing, digital rights management, and the DMCA; online speech, anonymity, and privacy; citizen journalism and new media; competition and antitrust; pornography, child protection, and online gambling; security, phishing, and spyware.

Note: Open to Freshmen only.

***Freshman Seminar 44g. Public Policy Approaches to Global Climate Change**

Catalog Number: 1032 Enrollment: Limited to 15.

Richard N. Cooper

Half course (spring term). W., 2–4.

Reviews what is known about greenhouse gas emissions' possible impact on climate. Explores possible impact of climate change on social and economic conditions over the next century. Investigates possible public policy responses to these developments, including actions both to adapt to and to mitigate climate change. What would be the costs of adaptation? Would an investment in mitigating the changes be worthwhile? Are there possibilities for international cooperation in dealing with the problem?

Note: Open to Freshmen only.

***Freshman Seminar 44j. The Aztecs and Maya**

Catalog Number: 7826 Enrollment: Limited to 15.

David L. Carrasco and William L. Fash

Half course (spring term). W., 1:30–4:30.

Explores Aztec and Maya culture, history, religion from insider and outsider (Spanish) perspectives. Analyzes how religion fueled genesis and expansion of Aztec empire as well as the Conquistadors' activities. Examines approaches used to piece back together puzzles of how a magnificent cultural tradition, the Maya, took root and thrived in tropical forest setting. Examines how modern scholars and students explore world-view, social relations, and history of



other cultures including Maya and Aztec peoples today.

Note: Open to Freshmen only.

***Freshman Seminar 44l. Religious Freedom – a Human Right?**

Catalog Number: 2575 Enrollment: Limited to 15.

Melanie Adrian

Half course (fall term). Th., 2–4.

This course considers the legal, theoretical and theological interconnections between religion and human rights. Students are familiarized with key concepts including definitions of human rights, their origins and limitations, and cultural relativism. These concepts are brought into dialogue with four major world traditions and three case studies (female genital mutilation and the debates around the headscarf in France and Turkey).

Note: Open to Freshmen only.

***Freshman Seminar 44n. Communication, Advocacy, and Public Affairs**

Catalog Number: 61629 Enrollment: Limited to 15.

Christine M. Heenan

Half course (spring term). Th., 5:30–7:30 p.m.

This course provides students with information and insights about strategic communication: how messages are created and framed, why we respond to messages the way we do, and how to employ communications strategies to advance political and public policy goals. The aim is to give students practical experience in developing and executing communications and advocacy strategies to create or change policy. Through guest lecturers, it will introduce students to the perspectives of different critical actors in the policymaking process.

Note: For Freshmen only.

***Freshman Seminar 44g. Evolution and Human Behavior**

Catalog Number: 7809 Enrollment: Limited to 15.

Judith F. Chapman

Half course (fall term). F., 2–4.

This seminar explores human behavior from an evolutionary perspective. Topics will include basic evolutionary and life history theory as well as various adaptive problems humans have faced over time: survival (predator/prey interaction, immune function, nourishment...), mating (mate selection, attraction & retention, sexual coercion, sperm competition, physical attractiveness, ...), parenting and kinship (parental investment, parent offspring conflict, and hormonal adaptations to parenting), and group living (social exchange, aggression, dominance, morality).

Note: Open to Freshmen only.

***Freshman Seminar 44s. Neanderthals and Human Evolutionary Theory**

Catalog Number: 46776 Enrollment: Limited to 12.

Tanya M. Smith

Half course (fall term). Th., 3–5:30.

This course explores the origins and development of human evolutionary theory in parallel with the discovery and study of our "cousins," the Neanderthals. Readings and discussions highlight breakthroughs in evolutionary theory since the 17th century, ranging from the Darwinian



revolution to the field of "evo-devo." The recent history of the Neanderthals is explored in detail, which mirrors intellectual developments in biological anthropology ranging from the re-conceptualization of race to innovations in recovering ancient DNA.

Note: For Freshmen only.

***Freshman Seminar 44t. The Atomic Bomb in History and Culture**

Catalog Number: 2897 Enrollment: Limited to 15.

Everett I. Mendelsohn

Half course (fall term). W., 2–4.

The explosion of the atomic bomb over the Japanese city of Hiroshima in 1945 ushered in a new era of warfare, of scientific prominence, of civic anxiety, and political challenge. Explores the interaction of science, politics, strategy, and culture in the studies of historians as well as in the literature, films, and theater from the early years of the twentieth century through the 1970s and 1980s dealing with the atom and the atom bomb.

Note: Open to Freshmen only.

***Freshman Seminar 44v. Urban Environmental Health**

Catalog Number: 3210 Enrollment: Limited to 15.

Jonathan Ian Levy (Public Health)

Half course (spring term). W., 2–4.

In a world where half of the population now lives in urban areas, this course examines the complex environmental and health implications of urbanization, considering both beneficial and detrimental effects in developing and developed countries. Case studies include health and safety risks from traffic around the world, environmental implications of energy usage and generation patterns in the United States and China, and health risks related to substandard drinking water in mega-cities in developing countries.

Note: Open to Freshmen only.

***Freshman Seminar 44z. Power and Protest in United States History**

Catalog Number: 50936 Enrollment: Limited to 15.

Lisa M. McGirr

Half course (spring term). Tu., 1–3.

This seminar investigates distinctive movements for social change in the 19th and 20th-century United States. Students will look closely at ideas and methods of movement organizers through primary and secondary readings. Through examination of the movement to abolish slavery through the student movement of the 1960s, we will seek to determine the character of individual movements, their origins, successes, failures. Students will be asked to think broadly about the boundaries of politics, protest, political practice.

Note: For Freshmen only.

***Freshman Seminar 45e. The Mother-Daughter Power Failure: Women, Leadership, and the Problem of Political Inheritance**

Catalog Number: 66248 Enrollment: Limited to 15.

Susan Faludi

Half course (fall term). Tu., 2:30–4:30.

Recently, women have begun to claim power formerly held by men. Yet in politics, work and the



family, women are so often unable to pass down power from one woman to the next-with the effect that the search for women's equality seems to begin anew with every generation. This seminar will explore this intergenerational breakdown from a variety of perspectives-historical, political, cultural, psychological-and through texts ranging from personal memoirs to contemporary media.

Note: For Freshmen only.

***Freshman Seminar 45g. Human, Animals, and Cyborgs - (New Course)**

Catalog Number: 57088 Enrollment: Limited to 15.

Jill Constantino (Anthropology)

Half course (spring term). W., 1–3.

The seminar will analyze the complexities and intricacies of being human. What does it mean to be human and how do we fit among the animals, plants, and materials around us? Seminal thinkers like Aristotle and Darwin reexamined the place of humans in hierarchies of life and redirected human behavior in the process. We will walk through history, examining the shifting boundaries between humans, animals, and machines and question what we once held as *natural*.

Note: Open to Freshmen only.

***Freshman Seminar 45i. The Art and Craft of Acting**

Catalog Number: 10361 Enrollment: Limited to 15.

Remo Francisco Airdi

Half course (spring term). M., 4–6.

Provides an introduction to acting by combining elements of a discussion seminar with exercises, improvisations, performance activities including the analysis, rehearsal, presentation of monologues and scenes. Uses improvisation to develop characters, improve group/ensemble dynamics and to minimize habitual behaviors. Explores a range of historical and contemporary acting techniques including those of Stanislavsky, Sanford Meisner, Stella Adler, Uta Hagen, Jerzy Grotowski, Peter Brook, others. Students also attend and critique performances at the Loeb Drama Center.

Note: Open to Freshmen only. This course includes student art-making as part of the Harvard Arts Initiative.

***Freshman Seminar 45k. The Politics of the Female Body in Modern America**

Catalog Number: 5464 Enrollment: Limited to 15.

Karen P. Flood

Half course (fall term). Hours to be arranged.

This seminar examines the female body as a site of political, social, and cultural struggle in the United States from 1900 to the present, focusing on three main areas: reproduction and reproductive rights; sexuality; and ideals of appearance. The seminar pays particular attention to the diversity of women's experiences and gender ideals according to race, class, and sexuality. Students will work through the stages of an historical research paper on a topic of their choice.

Note: Open to Freshmen only.

***Freshman Seminar 45o. Sexuality in American History, Politics, and Culture**

Catalog Number: 79109 Enrollment: Limited to 15.

Ian K. Lekus



Half course (spring term). W., 2–4.

Sex is often thought of as an unchanging need, an experience outside of history. However over the course of U.S. history, sexual desires, behaviors, identities, attitudes, and technologies have undergone profound transformations. In this course, we cover the history of birth control and abortion; the politics of race and sex; venereal diseases; economies and geographies of sex; sexual violence; and lesbian, gay, bisexual, and transgender identities and communities from colonization to the present

Note: For Freshmen only.

***Freshman Seminar 46o. The Evolutionary Significance of Cooking**

Catalog Number: 99626 Enrollment: Limited to 15.

Richard W. Wrangham

Half course (fall term). Hours to be arranged.

This course explores the biological significance of cooking and other forms of food-processing, including their effects on nutrition, physiology, cognition and social behavior. It incorporates a study of human evolution, hunter-gatherer lifeways, the pros and cons of food-labelling systems, and some cooking lessons. The focus on food-processing provides an introduction to many theoretical and practical questions in the field of human evolutionary biology.

Note: For Freshmen only.

Prerequisite: There are no prerequisites.

***Freshman Seminar 46p. Human Rights Violations in the 21st Century; Issues of Law, Gender, and Displacement**

Catalog Number: 8408 Enrollment: Limited to 15.

Jennifer Leaning and Jacqueline Bhabha

Half course (fall term). W., 3–5.

Studies how human rights perspective illuminates relations between state authority and individuals and defines standards of behavior that societies agree to aspire to reach. Topics include the 1948 Universal Declaration of Human Rights, rights in political and economic spheres, the rights of women, children, and refugees, international human rights law and international humanitarian law, and the state, regional, and international processes and structures that establish and monitor the regime of international human rights law.

Note: Meets at the John F. Kennedy School of Government. Open to Freshmen only.

***Freshman Seminar 47i. Violence in 20th-Century Europe**

Catalog Number: 5893 Enrollment: Limited to 15.

John D. Ondrovicik

Half course (fall term). Hours to be arranged.

Examines the rationality at work behind forms of violence from crime, the world wars, genocide, terrorism, to post-colonial conflict. Explores the issues involved in studying violence from historical and theoretical perspectives. Can violence be understood by those who have not experienced it? What are the relationships between forms of conflict and changes in social, cultural, and material life? Course materials include historical monographs, theoretical texts, personal narratives, literature, and film.

Note: Open to Freshmen only.



***Freshman Seminar 47o. Tattoos and Tattooing: Creating a Living Canvas**

Catalog Number: 15976 Enrollment: Limited to 15.

David R. Odo

Half course (spring term). W., 3–5.

Tattooing impregnates a person's skin with pigment, transforming the body into a living canvas. This creative process-and the bodies created out of this process-will form the locus of our studies, which will draw on written texts, visual material, and museum objects. Students will gain global and historical perspectives on how tattoos "construct" the skin by exploring issues such as the relationships between tattoos and identity, design, colonial encounter, criminality, performance, gender and sexuality.

Note: For Freshmen only.

***Freshman Seminar 47u. Declarations of Independence: The Political Philosophy of the American Revolution**

Catalog Number: 4718 Enrollment: Limited to 15.

David R. Armitage

Half course (fall term). Tu., 2–4.

Examines the Declaration of Independence in some unfamiliar contexts. Introduces the development of modern ideas of rights, nationality, and statehood. Connects Declaration to two centuries of arguments justifying rebellion, secession, and rights. Examines the political philosophy of the American Revolution, replies to the Declaration, other American declarations of independence on behalf of women, African-Americans, workers, and other groups during the 19th and 20th centuries, and analogues produced by later nationalist, secessionist, and anti-colonial movements.

Note: Open to Freshmen only.

***Freshman Seminar 48n. American Dreams**

Catalog Number: 2426 Enrollment: Limited to 12.

James T. Kloppenberg

Half course (fall term). W., 12–2.

America has long been a land of dreams, on which generations of Europeans and Americans have projected their hopes and fears. As estimates of human potential and ideals of social and political organization have changed over time, new meanings of "America" have proliferated. This seminar (not primarily concerned with the immigrant experience) will examine visions of the new world and its possibilities from the eighteenth century to the present in works of fiction, autobiography, and social criticism.

Note: Open to Freshmen only.

***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test**

Catalog Number: 9965 Enrollment: Limited to 15.

Marla D. Eby (Medical School)

Half course (fall term). W., 3–5.

Introduces the history of psychological tests, from the perspective of the psychologists using them, the people tested, and the general public. Examines the creativity within psychology in the making of such tests, as well as the drawbacks and dangers of the (mis)uses of these instruments.



Explores tests in current use, as well as tests contained in various Harvard archives. Final project for this seminar involves the design of an original psychological test.

Note: Open to Freshmen only.

***Freshman Seminar 49p. Peter Pan, J. M. Barrie, and the Literary Culture of Childhood**

Catalog Number: 4622 Enrollment: Limited to 15.

Maria Tatar

Half course (fall term). Th., 2:30–4:30.

This seminar will explore the pleasures of childhood reading and investigate how wonder and curiosity figure in the reading experience. Peter Pan will serve as our point of departure, and the first half of the course will explore different facets of Barrie's writings. In the second half, we will look at stories for children, exploring how they meet the desires of sensation-seeking readers. Authors include Lewis Carroll, C.S. Lewis, and Philip Pullman.

Note: Open to Freshmen only.

***Freshman Seminar 49z. The Art of the Impossible: Political Leadership in the 20th Century**

Catalog Number: 7628 Enrollment: Limited to 15.

Roderick MacFarquhar

Half course (spring term). Tu., 2–4.

Academic interest in political leaders has declined as historians and political scientists have focused on political, economic, and social forces. But certain individual leaders stand out for having bestowed great benefit or having wreaked great havoc upon their nations. Considers political leadership not as the art of the possible but the art of the impossible: mobilizing a nation for Herculean efforts or leading it into uncharted waters.

Note: Open to Freshmen only.

Extra-Departmental Courses

Extra-Departmental Courses: Humanities

[*Humanities 10. An Introductory Humanities Colloquium]

Catalog Number: 3983 Enrollment: Limited to 36.

Stephen J. Greenblatt and Louis Menand

Half course (spring term). Hours to be arranged.

The course is designed for students interested in concentrating in a Humanities discipline. We cover major works of literature and ideas from Homer's *Odyssey* to Joyce's *Ulysses*. Many of the texts have thematic connections; we hope that all of them will stimulate interest in the kinds of issues addressed in humanistic studies.

Note: Expected to be given in 2010–11. Ninety-minute lecture-discussion, plus one-hour section led by the instructors. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts A.



[Literature 113 (formerly Humanities 16). Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond]

Catalog Number: 3016

Verena A. Conley

Half course (spring term). Hours to be arranged.

This course examines problems of existence in relation to self and other in the world from the early Christian era to our days. It shows how *existence* preoccupies major writers who have approached its implications (and the dilemmas it inspires) in different ways. At stake are the redemptive powers of religion, thoughts about the death of God, the limits of atheism, and philosophies of becoming.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Other Extra-Departmental Courses

***Extra-Departmental Courses 187. The Quality of Health Care in America**

Catalog Number: 4832 Enrollment: Limited to 35.

Warner V. Slack (Medical School), Donald M. Berwick (Public Health, Medical School), and Howard H. Hiatt (Medical School, Public Health)

Half course (spring term). Tu., Th., 4:30-6 and a weekly section to be arranged. EXAM GROUP: 18

Offers information and experiences regarding most important issues and challenges in health care quality. Overview of the dimensions of quality of care, including outcomes, overuse, underuse, variation in practice patterns, errors and threats to patient safety, service flaws, and forms of waste. Each session focuses on one specific issue, exploring patterns of performance, data sources, costs, causes, and remedies. Explores desirable properties of health care systems that perform at high levels in many dimensions of quality.

Note: This course may not be taken for credit in addition to General Education 187.

House Seminars

All House Seminars are offered for degree credit. House Seminars are normally graded with letter grades; as with other letter-graded courses students may, with the instructor's permission, take House Seminars Pass/Fail. All House Seminars require the permission of the instructor (*). Information concerning enrollment in House Seminars should be sought from the appropriate House Office. House Seminars are frequently not repeated from year to year.

Primarily for Undergraduates

Leverett



***Leverett 74. Sigmund Freud and C. S. Lewis: Two Contrasting World Views**

Catalog Number: 0773 Enrollment: Limited to 20.

Armand M. Nicholi II (Medical School)

Half course (spring term). Th., 2–4.

Focuses on "scientific" Weltanschauung (world view) of Freud as a key to his life and work. Examines the world view Freud attacks through readings from C. S. Lewis and letters between Freud and Oskar Pfister, Swiss psychoanalyst and theologian. Themes: source of morality and ethics, human sexuality, problem of pain and human suffering, definition of happiness and reason that unhappiness prevails, role of different categories of love in human relationships, and "the painful riddle of death."

Mather

***Mather 74. Memoirs and Memory in 20th Century Europe - (New Course)**

Catalog Number: 76482 Enrollment: Limited to 20.

Laura Schlosberg

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This seminar explores memoirs that highlight memories - and some "forgettings" - of public and private moments in twentieth-century Europe. Our approach considers memoirs at the intersection of literature and history, exploring everyday life and the relations between self, memory, story, and history. We also examine the fictive nature of memoirs and whether contemporary media can be considered memoirs. Authors include Walter Benjamin, Nabokov, Christa Wolf, Robert Graves, Vera Brittain, the Bloomsbury Group, and Ernest Hemingway.

Mather 77. Nabokov

Catalog Number: 1204 Enrollment: Limited to 20.

James R. Russell

Half course (spring term). Th., 7–10 p.m.

Explores life and work through close reading of autobiography, five major novels, several short stories, related Russian and English poems by Nabokov as well as other poets (especially émigrés), and scholarly writings. Themes explored include: life of the writer and literary invention, Russian influences, the role of the state, exile, sexual identity, the otherworld, and American celebrity status. How does Nabokov's writing suggest a new intellectual type of free and creative man?

Pforzheimer

***Pforzheimer 70. College Student Development Theory - (New Course)**

Catalog Number: 13603 Enrollment: Limited to 20.

Lisa M. Boes

Half course (spring term). Th., 3–5.

Debates about the purpose of undergraduate education and the content of the curriculum are



informed by beliefs and theories of college student learning and development. This course examines the cognitive, interpersonal, identity and psycho-social theories of human development that shape the college experience. A theoretical foundation in student development theory is valuable for students who wish to understand and their own learning experiences and for administrators and instructors who develop policies and teach undergraduate students.

Winthrop

Winthrop 75. The Laws of War

Catalog Number: 7271 Enrollment: Limited to 20.

Gregg Andrew Peebles

Half course (spring term). W., 3–5.

What are the "laws of war"? This seminar examines the historical development of two legal concepts: *jus ad bellum*, which judges the legitimacy of the use force in international relations; and *jus in bello*, which defines the duties of belligerent governments during armed conflicts. Drawing on this background in international and US law, the seminar then explores how these laws have influenced the US "war on terror" and how they might shape future international conflicts.

African and African American Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of African and African American Studies

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies (*Chair*)

Emmanuel K. Akyeampong, Professor of History and of African and African American Studies (*on leave 2009-10*)

Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)

Mark Auslander, Visiting Assistant Professor of African and African American Studies (*spring term only*)

Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies

Adia Benton, Visiting Lecturer on African and African American Studies (*fall term only*)

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies (*on leave 2009-10*)



Lawrence D. Bobo, W. E. B. Du Bois Professor of the Social Sciences
 Glenda R. Carpio, Professor of English and of African and African American Studies (*Director of Undergraduate Studies*)
 Marla F. Frederick, Morris Kahn Associate Professor of African and African American Studies and of the Study of Religion (*on leave spring term*)
 Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies (*on leave 2009-10*)
 Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
 Claudine Gay, Professor of Government and of African and African American Studies
 Evelyn M. Hammonds, Barbara Gutmann Rosenkrantz Professor of the History of Science and of African and African American Studies, Dean of Harvard College
 Diane Hendrix, Lecturer on African and African American Studies (*fall term only*)
 Jennifer L. Hochschild, Harvard College Professor, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies (*on leave fall term*)
 Michael P. Jeffries, Visiting Assistant Professor of African and African American Studies
 Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature (*on leave spring term*)
 Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
 Michael R. Kremer, Gates Professor of Developing Societies (*on leave fall term*)
 Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies
 Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*on leave 2009-10*)
 Marcyliena Morgan, Professor of African and African American Studies
 John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program (*on leave spring term*)
 Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions
 Tommie Shelby, Professor of African and African American Studies and of Philosophy (*on leave 2009-10*)
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies
 James Sidanius, Professor of Psychology and of African and African American Studies
 Jason Sokol, Lecturer on African and African American Studies
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*Director of Graduate Studies*)
 Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African and African American Studies (*on leave 2009-10*)
 John Stauffer, Professor of English and of African and African American Studies
 David Williams, Florence Sprague Norman and Laura Smart Norman Professor of Public Health in the School of Public Health and Professor of African and African American Studies in the Faculty of Arts and Sciences
 William Julius Wilson, Lewis P. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in African and African American Studies



Vincent Brown, Dunwalke Associate Professor of American History
Orlando Patterson, John Cowles Professor of Sociology (*on leave spring term*)
Mark R. Warren, Associate Professor of Education (*Education School*)

Primarily for Undergraduates

African and African American Studies 10. Introduction to African American Studies

Catalog Number: 0802

Henry Louis Gates, Jr. and Evelyn Brooks Higginbotham

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An exploration of some of the key texts and issues in African American Studies from a range of disciplinary perspectives. Members of the faculty deliver guest lectures in their own areas of specialization.

Note: Required of concentrators in the African American Studies track. Students who transfer into the concentration after their sophomore year may substitute another African and African American Studies course already taken if they satisfy the Director of Undergraduate Studies that it establishes a basic familiarity with the materials covered in African and African American Studies 10. This course, when taken for a letter grade, meets the General Education requirement for United States in the World or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

African and African American Studies 11. Introduction to African Studies

Catalog Number: 9428

Charlotte M. Walker

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course introduces students to the general outlines of African geography and history, as well as key controversies in the study of African health, social life, arts, and politics. Our aim is to give students a fundamental vocabulary and interdisciplinary methodology for the study of Africa. Throughout, we assume that Africa is not a unique isolate but a continent bubbling with internal diversity, historical change, and cultural connections beyond its shores.

Note: Required of concentrators in African Studies track.

[African and African American Studies 12. What is Black Religion?: An Introduction]

Catalog Number: 7352

Marla F. Frederick

Half course (fall term). Tu., 2–4.

This course offers an introduction to broad themes in the study of African American religion in the US. Using an interdisciplinary approach, we explore the cultural expressions, social/political workings and historic development of what is commonly referred to as "black religion". Given the pre-existing and growing diversity of religious expression in the US, we ultimately ask what (if anything) allows us to hold "black religion" as a distinct category of social meaning?

Note: Expected to be given in 2010–11.

African and African American Studies 16. Sociology of the Black Community - (New Course)



Catalog Number: 73035

Lawrence D. Bobo

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course examines issues of race, class, gender, and identity in the Afro-American community. Topics of special emphasis include the contemporary situation of the black family, class stratification and the conditions and prospects of the modern black middle class, black feminist thought, black educational performance, and the dynamics of race. Our objective is to arrive at a deeper sociological analysis and appreciation of the changing life experiences awaiting African Americans.

African and African American Studies 20. Introduction to African Languages and Cultures

Catalog Number: 2048

John M. Mugane

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to African languages and cultures. Explores language use by sub-Saharan Africans to understand, organize, and transmit indigenous knowledge to successive generations. Language serves as a road map to understanding how social, political, and economic institutions and processes develop: from kinship structures, the evolution of political offices, trade relations, to the transfer of environmental knowledge.

Note: This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

African Languages

Language classes are open to undergraduates, graduate students, and cross-registration applicants. For instruction in languages that are not listed, please consult the Director of the African Language Program. Not open to auditors.

Undergraduate Language Tutorials

***African and African American Studies 90r. African Language Tutorials**

Catalog Number: 7010

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 18

Individualized study of an African language at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy. Any language not listed as a course is taught under this number.

Note: For instruction in languages that are not listed, please consult the Director of the African Language Program. Not open to auditors.

Amharic

***African and African American Studies 90r.a. Amharic - (New Course)**

Catalog Number: 44149



John M. Mugane

Half course (fall term; repeated spring term). Spring: Tu., Th., F., at 8.

Individualized study of Amharic at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Bamanakan

***African and African American Studies 90r.b. Bamanakan - (New Course)**

Catalog Number: 59256

John M. Mugane

Half course (fall term; repeated spring term). Spring: Tu., Th., at 3.

Individualized study of Bamanakan at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Cape Verdean Creole

***African and African American Studies 90r.c. Cape Verdean Creole - (New Course)**

Catalog Number: 74363

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Cape Verdean Creole at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Chichewa

***African and African American Studies 90r.d. Chichewa - (New Course)**

Catalog Number: 22841

John M. Mugane

Half course (fall term; repeated spring term). Fall: M., W., at 5; Spring: Tu., Th., at 12; Tu., Th., at 1.

Individualized study of Chichewa at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Dinka



***African and African American Studies 90r.e. Dinka - (New Course)**

Catalog Number: 37948

John M. Mugane

Half course (fall term; repeated spring term). Spring: W., at 9; Th., at 9; Th., at 10. EXAM

GROUP: Spring: 2

Individualized study of Dinka at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Egyptian Hieroglyphs

***African and African American Studies 90r.f. Egyptian Hieroglyphs - (New Course)**

Catalog Number: 53055

John M. Mugane

Half course (fall term; repeated spring term). Spring: Th., 3–5.

Individualized study of Egyptian Hieroglyphs at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Gikuyu

Gikuyu A. Elementary Gikuyu

Catalog Number: 0009

John M. Mugane

Full course (indivisible). Hours to be arranged.

Gikuyu is a Bantu language spoken by Kenya's most populous ethnic group. The Gikuyu are among Africa's most recognized peoples because of the Mau Mau freedom fighters who were mainly Gikuyu.

Note: The course is designed primarily for students who have no prior knowledge of Gikuyu; however, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Gikuyu B. Intermediate Gikuyu

Catalog Number: 0010

John M. Mugane and assistant

Full course (indivisible). Hours to be arranged.

Continuation of Gikuyu A. Gikuyu is a Bantu language spoken by Kenya's most populous ethnic group. The Gikuyu are among Africa's most recognized peoples because of the Mau Mau freedom fighters who were mainly Gikuyu.

Note: Not open to auditors.

Prerequisite: Gikuyu A or the equivalent of one year's study in Gikuyu.



Gikuyu 101ar. Reading in Gikuyu

Catalog Number: 0017

John M. Mugane and assistant

Half course (fall term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Gikuyu B or equivalent.

Gikuyu 101br. Reading in Gikuyu II

Catalog Number: 0018

John M. Mugane and assistant

Half course (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Gikuyu 101ar or equivalent.

Haitian Creole

***African and African American Studies 90r.g. Haitian Creole - (New Course)**

Catalog Number: 68162

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Haitian Creole at the elementary, intermediate and advanced levels.

Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information.
Not open to auditors.

Hausa

***African and African American Studies 90r.h. Hausa - (New Course)**

Catalog Number: 83269

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 18

Individualized study of Hausa at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information.
Not open to auditors.

Igbo

***African and African American Studies 90r.i. Igbo - (New Course)**

Catalog Number: 31747

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Igbo at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.



Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Kinyarwanda

***African and African American Studies 90r.j. Kinyarwanda - (New Course)**

Catalog Number: 98376

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Kinyarwanda at the elementary, intermediate and advanced levels.

Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Luganda

***African and African American Studies 90r.k. Luganda - (New Course)**

Catalog Number: 46854

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Luganda at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Oromo

***African and African American Studies 90r.l. Oromo - (New Course)**

Catalog Number: 61961

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Oromo at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Somali

***African and African American Studies 90r.m. Somali - (New Course)**

Catalog Number: 10439

John M. Mugane

Half course (fall term; repeated spring term). M., W., at 6.



Individualized study of Somali at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Swahili

Swahili A (formerly African and African American Studies 121). Elementary Swahili

Catalog Number: 1878

John M. Mugane

Full course (indivisible). M., W., F., at 9. EXAM GROUP: 2

A study of the *lingua franca* of East Africa at the elementary level. Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Swahili B. Intermediate Swahili

Catalog Number: 3442

John M. Mugane and assistant

Full course (indivisible). M. through W., 5-7 p.m. EXAM GROUP: Spring: 18

Continuation of Swahili A. A study of the *lingua franca* of East Africa at the elementary level. Contact hours supplemented by language lab sessions. Emphasis on written expression, reading comprehension, and oral fluency.

Note: Not open to auditors.

Prerequisite: Swahili A or the equivalent of one year's study of Swahili.

Swahili 101ar. Reading in Swahili

Catalog Number: 8503

John M. Mugane and assistant

Half course (fall term). Hours to be arranged.

Prerequisite: Swahili B or equivalent.

Swahili 101br (formerly African and African American Studies 121b). Reading in Swahili II

Catalog Number: 7746

John M. Mugane and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Swahili 101ar or equivalent.

Tigrinya

***African and African American Studies 90r.n. Tigrinya - (New Course)**

Catalog Number: 77068

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.



Individualized study of Tigrinya at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Twi

Twi A. Elementary Twi

Catalog Number: 0023

John M. Mugane

Full course (indivisible). Hours to be arranged.

Twi is one of the regional languages of the Akan speaking peoples of Ghana, constituting the largest ethnic group in Ghana. Twi, is fast becoming the *lingua franca* of the country. This course aims to help students acquire the Twi language at the basic or elementary level.

Note: The course is designed primarily for students who have no prior knowledge of Twi; however, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Twi B. Intermediate Twi

Catalog Number: 0025

John M. Mugane and assistant

Full course (indivisible). Hours to be arranged.

Continuation of Twi A. Twi is one of the regional languages of the Akan speaking peoples of Ghana constituting the largest ethnic group in Ghana. Twi, is fast becoming the *lingua franca* of the country. The Akan people are well known for their art and culture, especially the traditional colorful Kente cloth.

Note: Not open to auditors.

Prerequisite: Twi A or the equivalent of one year's study of Twi.

Twi 101ar. Reading in Twi

Catalog Number: 0026

John M. Mugane and assistant

Half course (fall term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Twi B or equivalent.

Twi 101br. Reading in Twi II

Catalog Number: 0028

John M. Mugane

Half course (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Twi 101ar or equivalent.

Wolof



***African and African American Studies 90r.o. Wolof - (New Course)**

Catalog Number: 25546

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Wolof at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Xhosa

***African and African American Studies 90r.p. Xhosa - (New Course)**

Catalog Number: 92175

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged. .

Individualized study of Xhosa at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Yoruba

Yoruba A. Elementary Yoruba

Catalog Number: 0029

John M. Mugane

Full course (indivisible). Hours to be arranged.

Yoruba is spoken in the West African countries of Nigeria, Benin Republic, and parts of Togo and Sierra Leone, therefore constituting one of the largest single languages in sub-Saharan Africa. Yoruba is also spoken in Cuba and Brazil. Students will acquire the Yoruba language at the basic or elementary level.

Note: Primarily designed for students who have no prior knowledge of Yoruba. However, students with minimal knowledge of the language may also register for the course. Not open to auditors.

Yoruba B. Intermediate Yoruba

Catalog Number: 0031

John M. Mugane

Full course (indivisible). Hours to be arranged. EXAM GROUP: Spring: 18

Continuation of Yoruba A. Yoruba is spoken in the West African countries of Nigeria, Benin Republic, and parts of Togo and Sierra Leone, therefore constituting one of the largest single languages in sub-Saharan Africa. Yoruba is also spoken in Cuba and Brazil. Students will acquire the Yoruba language at the basic or elementary level.

Note: Not open to auditors.

Prerequisite: Yoruba A or the equivalent of one year's study of Yoruba.



Yoruba 101ar. Reading in Yoruba

Catalog Number: 0033

John M. Mugane and assistant

Half course (fall term). Hours to be arranged. EXAM GROUP: 9

Note: Not open to auditors.

Prerequisite: Yoruba B or equivalent.

Yoruba 101br. Reading in Yoruba II

Catalog Number: 0035

John M. Mugane and assistant

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: 9, 18

Note: Not open to auditors.

Prerequisite: Yoruba 101a or equivalent.

Zulu

***African and African American Studies 90r.q. Zulu - (New Course)**

Catalog Number: 40653

John M. Mugane

Half course (fall term; repeated spring term). Hours to be arranged.

Individualized study of Zulu at the elementary, intermediate and advanced levels. Contact hours with language coach. Emphasis on literacy.

Note: This course is offered only when there is demonstrated curricular and academic need on the part of the student. Please consult the Director of Language Programs for more information. Not open to auditors.

Undergraduate Tutorials

***African and African American Studies 91r. Supervised Reading and Research**

Catalog Number: 1269

Glenda R. Carpio and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Director of Undergraduate Studies for approval, stating the proposed project, and must have permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

African and African American Studies 97. Sophomore Tutorial: African and African Diasporic Religions

Catalog Number: 3022

Jacob Olupona

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course focuses on the history and phenomenology of traditional religions of the African peoples in myth, ritual, arts, and symbols selected from Sub-Saharan Africa. Using historical, ethnographic, and textual sources, the seminar will also illuminate the lived religious experiences of African immigrant and diaspora communities in South America, the Caribbean, and the US.



We will examine African religious retentions on the forms of interaction between religious practice and other aspects of social identity.

***African and African American Studies 98. Junior Tutorial - African American Studies**

Catalog Number: 6272

Glenda R. Carpio and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Director of Undergraduate Studies for approval, stating the proposed project, and must have the permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

Prerequisite: Completion of African and African American Studies 10, or a substitute course approved by the Director of Undergraduate Studies.

***African and African American Studies 98a. Junior Tutorial - African Studies**

Catalog Number: 3070

Glenda R. Carpio and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Students wishing to enroll must petition the Director of Undergraduate Studies for approval, stating the proposed project, and must have the permission of the proposed instructor. Ordinarily, students are required to have taken some coursework as background for their project.

Prerequisite: Completion of African and African American Studies 11 or a substitute course approved by the Director of Undergraduate Studies.

***African and African American Studies 99. Senior Thesis Workshop**

Catalog Number: 8654

Glenda R. Carpio and members of the Department

Full course. Hours to be arranged.

Thesis supervision under the direction of a member of the Department.

Note: Enrollment limited to honors candidates.

For Undergraduates and Graduates

[African and African American Studies 112. Black Humor: Performance, Art, and Literature]

Catalog Number: 1962

Glenda R. Carpio

Half course (fall term). Tu., Th., at 1.

This course explores the cultural richness of African American humor through analyses of stand-up, drama, the visual arts and literature from the 19th century onward. Artists include but are not limited to Richard Pryor (and many other important figures in black comedy), the painter Robert Colescott, the artists Kara Walker, writer William Wells Brown, Charles W. Chesnutt, George Schuyler, and Ishmael Reed.

Note: Expected to be given in 2010–11.

African and African American Studies 114. Black Utopias - (New Course)

Catalog Number: 11484



Francis Abiola Irele

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

The theme of African renewal was first elaborated in the black diaspora where it had an inspirational value for movements of emancipation among black people in America. It later functioned as a formative influence on African nationalism and has today assumed a new significance with the concept of "African Renaissance". Our examination of black utopias will focus on the force fields of ideas and internal tensions that have marked their development since the 18th century.

[African and African American Studies 116. Autobiography and Literary Imagination]

Catalog Number: 8935

Jamaica Kincaid

Half course (fall term). M., 1–3.

Looks at how subject people imagine themselves. Reading Walcott, Rhys, Soyinka and Fanon, among others.

Note: Expected to be given in 2010–11.

[African and African American Studies 117. The Harlem Renaissance]

Catalog Number: 1442

Glenda R. Carpio

Half course (fall term). Hours to be arranged.

The class examines the flowering of African American literature and art led primarily by African Americans based in Harlem after World War I. Most of the participants in this African American literary movement were descendants from a generation whose parents or grandparents had witnessed the injustices of slavery and the gains and losses that would come with Reconstruction after the Civil War. The class examines how African American authors documented this crucial moment in African American history. Writers include but are not limited to Claude McKay, Countee Cullen, Langston Hughes, Zora Neale Hurston, Rudolph Fisher, James Weldon Johnson, Jean Toomer and George Schuyler.

Note: Expected to be given in 2010–11.

African and African American Studies 118. African American History from the Slave Trade to 1900

Catalog Number: 7429

Jason Sokol

Half course (spring term). Tu., Th., 10–11:30; Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to African American history and the role black men and women have played in the cultural, economic, and political life of the US. Topics will include the rise of slavery; the American Revolution and the problem of slavery; African American social, economic, and cultural life in the antebellum North and South; the struggle for freedom during the Civil War and Reconstruction; and African Americans in the age of segregation and disenfranchisement.

[African and African American Studies 119. Chinua Achebe and the Postcolonial African Novel]

Catalog Number: 0192

Instructor to be determined



Half course (spring term). Tu., 4–6.

A critical introduction to the novels and essays of Chinua Achebe and assessment of his heritage.

Note: Expected to be given in 2010–11.

African and African American Studies 121. Please, Wake Up! - Race, Gender, Class and Ethnicity in the Early Films of Spike Lee

Catalog Number: 6238

Biodun Jeyifo

Half course (fall term). Th., 1-3:30. EXAM GROUP: 15, 16, 17

This course will explore how the intersection of race, gender, class and ethnicity in the early cinema of Spike Lee works to give his social vision and artistic temper the qualities now commonly associated with his cinematic style. Race seems to be the central pivot of social identity in Lee's films, but in this course we will explore his remarkable attentiveness to other indices of identity and subjectivity. We will pay special attention to the tension between Lee's passionate oppositional politics and his intensely personal, experimental and playful approach to film and its expressive idioms, techniques and styles. Films to be studied include "She's Gotta Have It," "School Daze," "Do the Right Thing," "Mo Better Blues" and "Jungle Fever".

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[African and African American Studies 128. Black Nationalism]

Catalog Number: 3426

Tommie Shelby

Half course (fall term). M., 1-3.

Critically examines the family of African American social philosophies generally classified under the broad rubric "black nationalism." Topics to be explored include the meaning of black collective self-determination; the relationship between black identity and black solidarity; and the significance of Africa for black nationalist ideals. Authors to be discussed include Martin Delany, Alexander Crummell, Edward Blyden, W.E.B. Du Bois, Marcus Garvey, Elijah Muhammad, Malcolm X, Stokely Carmichael, Huey Newton, and some contemporary representatives of the tradition.

Note: Expected to be given in 2010–11.

[African and African American Studies 129. African American Philosophy]

Catalog Number: 8227

Tommie Shelby

Half course (fall term). Hours to be arranged.

An examination of several vexing questions that arise when one reflects philosophically on the black experience in America. Topics include the perplexities of black identity, the moral and political significance of communal solidarity, racial justice and reparations, aesthetic judgment and cultural authenticity, the ethics of interracial intimacy, and the very idea of a distinctive African American philosophical tradition.

Note: Expected to be given in 2010–11.

[African and African American Studies 130. W. E. B. Du Bois: Social and Political Writings]



Catalog Number: 3561

Tommie Shelby

Half course (spring term). W., 2–4.

An introduction to the writings of Du Bois, with a focus on his social theory and political philosophy. In addition to various journal articles and editorials from *The Crisis*, texts to be examined include *The Philadelphia Negro*, *The Souls of Black Folk*, *Darkwater*, *Black Reconstruction in America*, and *Dusk of Dawn*.

Note: Expected to be given in 2010–11.

African and African American Studies 131. African-American Literature to the 1920s

Catalog Number: 2589

Glenda R. Carpio

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Close readings of major writers in the context of cultural history. I) Literature and folk culture in the slavery period: Phillis Wheatley, Olaudah Equiano, Omar Ibn Said, Victor Séjour, Lydia Maria Child, Fredrick Douglass, Harriet Beecher Stowe, William Wells Brown, Frank Webb, Martin Robison Delany, and Harriet Jacobs. II) “Post-bellum, pre-Harlem”: Charles W. Chesnutt, Paul Laurence Dunbar, Pauline Hopkins, Du Bois, Booker T. Washington, and James Weldon Johnson. We examine diverse genres—from slave narratives, novels and poems to plays, speeches and song lyrics.

African and African American Studies 133. Richard Wright and Zora Neale Hurston - (New Course)

Catalog Number: 47899

Werner Sollors and Glenda R. Carpio

Half course (spring term). Tu., 2-4; Th., 2-3. EXAM GROUP: 16, 17

Investigates the development of Wright’s sociological and Hurston’s anthropological imagination, with special emphasis on gender, politics, and literary form. Readings include most published and some unpublished writings (fiction and non-fiction), against the background of selected criticism.

[African and African American Studies 134z. Black and White in Drama, Film and Performance]

Catalog Number: 2026

Werner Sollors

Half course (spring term). M., W., 2–3:30.

Focus is on the development of “serious” dramas and problem films in their relationship to the traditions of tragedy and melodrama. Readings from Aeschylus to Adrienne Kennedy accompanied by visits of performances and film screenings. Fresh research in Harvard Theatre Collection encouraged.

Note: Expected to be given in 2010–11.

African and African American Studies 137. Literature and Its Cultural ‘Others’ - America, Africa and the Caribbean, 1950s-80s

Catalog Number: 3258

Biodun Jeyifo



Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

In the historic contexts of the civil rights struggles in the United States and the decolonizing liberation struggles in Africa and the Caribbean, this course explores how utopian or emancipatory aspirations in diverse media like literature, popular music, oratory, non-scripted street or community theatre, and popular visual media like poster art, murals and graffiti impact people of different social classes and backgrounds.

[African and African American Studies 143. Representing Blackness: Media, Technology and Power]

Catalog Number: 0444

Marcyliena Morgan

Half course (spring term). Hours to be arranged.

This course explores the concept of race and ethnicity through the analysis of media systems and institutions, communication frames and symbolic representations and social constructions.

Note: Expected to be given in 2010–11.

[African and African American Studies 144. Urban Speech Communities]

Catalog Number: 8559

Marcyliena Morgan

Half course (fall term). Hours to be arranged.

This course introduces students to basic concepts of speech communities and qualitative methods in the social sciences including ethnographic fieldwork and the analysis of face-to-face communication. It focuses on the details of everyday activities across communities of African descent and other communities and interactive environments. It is meant to provide a bridge between communications, the social sciences, linguistics and socio-cultural anthropology through the introduction of concepts and analytical techniques that privilege observation, participation, video recording and transcription of spontaneous interaction (as opposed to experimental tasks or introspection). Topics include language socialization, education, literacy, music and the visual arts, the power of language, miscommunication, and universal and culture-specific properties of human communication.

Note: Expected to be given in 2011–12.

African and African American Studies 147. Racial Identity, Politics, and Public Policy

Catalog Number: 2929

Lawrence D. Bobo

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course examines how race and perceived racial difference affect political discourse, mobilization, representation, and political outcomes. We will examine the fate of policies such as affirmative action and welfare reform and the prospects for multiracial coalition politics. We will also consider the role of elected representatives, the media, and the traditional racial divide in affecting political outcomes of importance to African Americans and to other communities of color.

[African and African American Studies 148. Travel Narratives]

Catalog Number: 5857

Jamaica Kincaid



Half course (spring term). M., 1–3.

An introduction to accounts of conquests through action (traveling) and literature (writing). We will read Bernal Diaz (regarding the conquest of Mexico), William Wells Brown (traveling to Europe as a free man), Edmund Hillary (climbing Mount Everest), Mrs. Mary Seacole (a free black woman from Jamaica who voluntarily served as a nurse in the Crimea during the Crimean war) among others.

Note: Expected to be given in 2010–11.

[African and African American Studies 153. Hip-hop America: Power, Politics and the Word]

Catalog Number: 4272

Marcyliena Morgan

Half course (fall term). Hours to be arranged.

This course examines the development of hip hop in the US as a cultural, political and artistic resource. In particular, we will examine hip-hop literacy, language and learning, art, performance and dress. Topics include: culture, community, crime and injustice, economics, education, family, history, identity, language, politics, sports, race and racism, sex and sexism. Emphasis will be placed on hip-hop in a variety of contexts including schools, religious organizations and political movements.

Note: Expected to be given in 2010–11.

[African and African American Studies 154. Language and Discourse: Race, Class and Gender]

Catalog Number: 2690

Marcyliena Morgan

Half course (spring term). Hours to be arranged.

The purpose of this course is to study, analyze and critique theories concerning the discursive construction of identity(s) and forms of representations of cultures. It will explore the relationship between power and powerful speech through reviews and critiques of theories of language, culture and identity as they relate to ethnicity, race, and social class. Focus will be on language ideology and analysis of discourse styles used in the construction of regional, national and global communities.

Note: Expected to be given in 2010–11.

[African and African American Studies 155. Love and Sexuality in African American Culture] - (New Course)

Catalog Number: 21513

Marcyliena Morgan

Half course (fall term). Hours to be arranged.

This seminar is a comprehensive study of the representation of gender, love, and sexuality in African American and African Diasporan culture. It introduces students to the field of gender and sexuality and some of the principal questions of feminist theory, as viewed from linguistics, anthropology, media studies and literature. The course has a strong international and multicultural focus, drawing on descriptions of women and men's speech, interaction and representation across the globe. Materials examined include film, novels, music and the examination of numerous cultural practices. The lectures and in-class activities explore the



principal concepts and issues that define the field of gender, culture and communication. In particular, we will examine how everyday interactions, media, film, popular culture and journalism, incorporate gender and sexuality and at times perpetuate stereotypes of men, women and sexuality in general.

Note: Expected to be given in 2011–12.

African and African American Studies 156. Power and Aesthetics in Africa and the Diaspora - (New Course)

Catalog Number: 91384

Mark Auslander

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course explores the dynamic relationship between systems of power, culture, and aesthetic form within Africa and through the African Diaspora. We consider how powerful experiences of beauty, awe, desire, fear and revulsion have been mobilized to constitute, critique and transform, social and political hierarchies. How is social power reproduced, negotiated and contested through sensory, tactile and aesthetic forms? Our examinations range over a wide range of expressive media and performance genres, including masking and masquerades, clothing and adornment, food, rituals of kingship, spirit possession and mediumship, sacrificial practice, colonial evangelism, dance, popular music, public art, photography, radio and film. We pay particular attention to the contested constitution of power and resistance in circuits of the global cultural economy, in and out of Africa.

African and African American Studies 157. Readings in the History of Law in Africa - (New Course)

Catalog Number: 53973

Charlotte M. Walker

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This seminar explores the history of law in Africa. Its investigations are divided into three eras - the pre-colonial, colonial, and postcolonial periods. African legal traditions, customs, judicial process, and the correction of crime and transgression is covered. Next, the introduction of French and British codified laws and governance systems is explored. Last, postcolonial "illegalities" and the role of the rule of law in contemporary Africa will be discussed. The introduction of western Law resulted in profound changes in African societies which shaped the post-colonial realities of their nation-states in the independence era. Law as a tool and as an idea will be analyzed in the context of Africa in different centuries.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

African and African American Studies 158. Making Media Across Cultures - (New Course)

Catalog Number: 84187 Enrollment: Limited to 20. Preference will be given to undergraduates (junior concentrators most preferred).

Diane Hendrix

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The class explores new intellectual and practical foundations for making effective media in today's digital world. Comparing short social engagement pieces, we will refine analytical skills and develop a critical eye for impact with various audiences. Students will produce digital video



and web projects in teams, as well as a class project on media methods, to be published online. Collaboratively, students learn to make media that bridge cultural perspectives.

African and African American Studies 159. Health, Culture and Medicine in Africa - (New Course)

Catalog Number: 99958

Adia Benton

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

The seminar focuses on the social context of disease, illness experience and healing practices throughout Africa. In particular, we will examine local experiences and practices, and how broader social, economic and political forces influence and are shaped by them. Topics will include traditional forms of healing and biomedicine, illness and witchcraft, medical research, HIV/AIDS, colonial medicine and post-colonial public health practice. We will discuss a range of countries in West, Central and East and Southern Africa.

Prerequisite: This is an advanced undergraduate course. To enroll in this course, students are expected to have taken at least one introductory anthropology or other social science course. A background or interest in public health and medicine is advantageous. Previous coursework on African history will also be useful.

African and African American Studies 160. Christianity, Identity, and Civil Society in Africa - (New Course)

Catalog Number: 88142

Jacob Olupona

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course is a historical survey of the centuries-old Christian traditions in Africa. It begins with an outline of the trajectory of Christianity's origins and presence in Africa from its beginning in ancient Mediterranean lands through the early period of European missionaries to the contemporary period. The course provides the ethnography of the old mission churches, indigenous independent African churches, and contemporary evangelical and Pentecostal Charismatic movements. The course explores the role of Christianity in relation to historical, cultural, social, and material realities of the African continent. It examines a broad range of topical issues related to conversion, missionization, and the development and growth of Christian agencies in Africa in relation to the construction of social, theological, and religious identities, as well as Christianity's response to cultural pluralism, nationhood, citizenship, and civil society.

Note: Offered jointly with the Divinity School as 2337.

African and African American Studies 161. Religion, Diaspora, and Migration: Seminar - (New Course)

Catalog Number: 51727

Jacob Olupona

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

This seminar explores critical and interdisciplinary approaches to the place of religion and the emergence of the new immigrant and diaspora communities in the modern world and the discourses emerging from the practice of diaspora and migration scholarship. Using historical, ethnographic, and textual sources, the course will illuminate the lived religious experiences of immigrant and diaspora communities in the United States and elsewhere. It introduces critical



perspectives on forms of interaction between religion and other aspects of social identity - ethnicity, gender, nationality, race, age, and sexuality, as well as transnational and global influences on social and cultural identity. The course also examines the complex networks of economic, cultural, and technological innovations that the "new" diaspora and immigrant communities have developed to make sense of their spiritual and cultural lives in new situations. *Note:* Offered jointly with the Divinity School as 3702.

[African and African American Studies 162. Indigenous Religious Traditions and Modernity: Seminar] - (New Course)

Catalog Number: 66834

Jacob Olupona

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This seminar explores historical, theoretical, methodological, and conceptual issues central to the study of indigenous religions of the world. It examines the critique of indigeneity and explores emerging topics about the role that religion plays in indigenous peoples' lives, communities, and societies. Special topics will explore issues related to land, environment, conversion, health, the state, gender, aggression, violence, justice, and human rights. The seminar examines the interface of indigenous religions and modernity, colonial and postcolonial conditions, local and global forces that shape the practices of indigenous traditions in various regions of the world.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3703.

[African and African American Studies 163. Beats, Rhymes, and Life: Hip-Hop Studies - \(New Course\)](#)

Catalog Number: 39862

Michael P. Jeffries

Half course (fall term). Tu., 1-3;. EXAM GROUP: 15, 16

This course is an introduction to hip-hop as a social movement and art form. Class begins with a history of hip-hop's four elements: DJing, MCing, break dancing, and graffiti art. We then turn to the study of music and performance more broadly, as well as hip-hop-related topics in popular culture, such as racial authenticity, sex and gender politics, word play and explicit language, and the rise of global hip-hop.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[African and African American Studies 170. The African Past: Art and History 1000-1850] - (New Course)

Catalog Number: 25009

Suzanne P. Blier

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[African and African American Studies 171. African Art at the Peabody Museum] - (New Course)

Catalog Number: 91638

Suzanne P. Blier



Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2011–12.

[African and African American Studies 174. The African City]

Catalog Number: 6977

Suzanne P. Blier

Half course (spring term). Hours to be arranged.

This seminar investigates critical issues in Africa's rich urban centers. Architecture, city planning, spatial framing, popular culture, and new art markets will be examined.

Note: Expected to be given in 2011–12.

[African and African American Studies 182. R & B, Soul, and Funk]

Catalog Number: 7973

Ingrid Monson

Half course (fall term). Hours to be arranged.

Focuses on the history of African American popular music from R & B to Funk, with particular attention to the interplay among music and African American cultural and political consciousness. A variety of critical approaches to the study of popular music are also introduced.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[African and African American Studies 185. Perspectives on the African Novel](#)

Catalog Number: 6764

Francis Abiola Irele

Half course (fall term). M., 4–6. EXAM GROUP: 9

We examine a representative selection of African novels with a view to grasping the development of the genre from the double heritage of the oral tradition and the literate conventions of the West. The African novel will be studied in relation to the dominant themes—colonialism, social and cultural change, the post-colonial dilemma—and the textual strategies adopted by the novelists in their rendering of the African experience in modern times.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

[African and African American Studies 187. African Religions](#)

Catalog Number: 0094

Jacob Olupona

Half course (fall term). Th., 4–6. EXAM GROUP: 18

This course is a basic introduction to the history and phenomenology of traditional religions of the African peoples. Using diverse methodological and theoretical approaches, the course will explore various forms of experiences and practices that provide a deep understanding and appreciation of the sacred meaning of African existence: myth, ritual arts, and symbols selected from West, East, Central, and Southern Africa.

Note: Offered jointly with the Divinity School as 3690.

[African and African American Studies 188. Islam in Sub-Saharan Africa]

Catalog Number: 3590



Jacob Olupona

Half course (spring term). Hours to be arranged.

This course is a comparative and historical survey of Islam in Sub-Saharan Africa. It will explore facets of Islam in African history, culture, and society, paying particular attention to Islamic institutions and organizations and the imprints of Islam on verbal and visual arts, religion and cultural identity. We will also focus on topics such as Islam and politics, Muslim-Christian relations, social change, women and gender, and the process of modernization. It will consider the emergence and growth of Islam in the age of identity politics, global Islamism, and religious revivalism.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3698.

[African and African American Studies 192x. Religion and Society in Nigeria]

Catalog Number: 8241

Jacob Olupona

Half course (fall term). Hours to be arranged.

The seminar examines the historical development of religion in Nigeria and explores its intersection with ethnic identity, culture, and society in pre-colonial, colonial, and contemporary periods. The course provides an understanding of various cultural tradition, historical events and social forces that have shaped Nigeria's religious express. Many topical issues will be explored such as indigenous religious culture, Christian and Muslim identities, civil religion, and civil society and democratization, as well as religion and politics in present-day Nigeria.

Note: Expected to be given in 2010–11.

African and African American Studies 193. Religion and Social Change in Black America

Catalog Number: 8058

Marla F. Frederick

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Religion, as experienced in churches and mosques alike, has inspired new meanings of black subjectivity, history, and politics. From protest oriented struggles for civil rights to the personal responsibility calls of the Million Man March, religion has informed how Blacks engage the challenges of everyday life in America. Through ethnography, auto/biography and documentary film, this class examines the influence that the social reality of blackness and the religious expression of faith have had on the day to day existence of people of African descent in the US.

Note: Offered jointly with the Divinity School. This course, when taken for a letter grade, meets the General Education requirement for United States in the World or Culture and Belief, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[African and African American Studies 193x. Rags to Riches: Religion and the Quest for the (African) American Dream]

Catalog Number: 2040

Marla F. Frederick

Half course (spring term). Tu., 2–4.

This course examines the place of wealth and poverty in the African American religious imagination. From Marx and Weber's discussions of religion and capitalism, to Benjamin E. Mays and E. Franklin Frazier's articulations of the otherworldly impulse of Black Protestantism,



to contemporary anthropological discussions of prosperity gospels-this course explores the complex relationship between Christianity and American capitalism among African Americans. Topics include individualism, Protestantism, race, neoliberalism, class and citizenship.
Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3699.

[African and African American Studies 196. Field Research Methods in the Medical Social Sciences: Writing, Policy and Deliverables] - (New Course)

Catalog Number: 40116 Enrollment: Limited to 18.

Duana Fullwiley

Half course (spring term). Hours to be arranged.

This course will focus on socially engaged research in local African communities. Students will work with community groups to come up with projects that address health problems and their social determinants.

Note: Expected to be given in 2010–11.

Prerequisite: AAAS 199

African and African American Studies 197. Poverty, Race, and Health

Catalog Number: 5172

David Williams

Half course (spring term). M., 4–6. EXAM GROUP: 9

This course critically examines the health status of the poor, and of African Americans and other socially disadvantaged racial and ethnic groups in the US. Attention will be focused on the patterned ways in which the health of these groups is embedded in the social, cultural, political, and economic contexts and arrangements of US society. Topics covered include the meaning and measurement of race, the ways in which racism affects health, the historic uses of minorities in medical research, how acculturation and migration affects health, and an examination of the specific health problems that disproportionately affect nondominant racial groups.

[African and African American Studies 199. Delimiting Health Disparities in the African Diaspora: A Laboratory for Social Engagement]

Catalog Number: 9887 Enrollment: Limited to 18.

Duana Fullwiley

Half course (fall term). Tu., 1-3, Th., at 2.

This course maps health problems that differentially affect people of African descent. Students are introduced to theoretical approaches in the history of medicine, medical anthropology, and public health. The second half of the course will be spent conducting fieldwork in Boston-area African communities.

Note: Expected to be given in 2010–11. Students planning to take this class must attend the first lecture to apply.

Primarily for Graduates

African and African American Studies 211. Social Structure and Culture in the Study of Race and Urban Poverty

Catalog Number: 7733

William Julius Wilson



Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The purpose of this course is to critically examine current writings and debates on how social structure and culture affect the social outcomes of the African Americans and immigrants in the US. The relevance of these works for public and social policy will also be discussed.

Note: Open to advanced undergraduates with permission of the instructor. Offered jointly with the Kennedy School of Government as HLE-207.

African and African American Studies 218. Topics in African American History

Catalog Number: 9951

Evelyn Brooks Higginbotham

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores Afro-American History from the slave trade to 1900. Central themes include black people's lives and labor in slavery and freedom, black culture, and African American influences on national political discourse, including the changing dynamics of class, gender, and race.

[African and African American Studies 231. Topics in African American Literature and Arts]

Catalog Number: 4210

Instructor to be determined

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

African and African American Studies 241. Topics in African American Social Science

Catalog Number: 3668

James Sidanius

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course provides an in-depth and comprehensive exposure to the theoretical and methodological issues within the social psychology of racism and prejudice research. Approaches will include sociology, political science, and anthropology.

Graduate Courses

***African and African American Studies 301. Graduate Proseminar**

Catalog Number: 3120

Werner Sollors and members of the Department

Half course (fall term). Tu., 12–2.

Students are introduced to major themes, classic texts, and representative current work in the broad interdisciplinary field of African and African American Studies, with a focus on the Humanities (Literature, Art, Music, and Religion).

Note: Required for all graduates in African and African American Studies in their first year.

***African and African American Studies 302. Graduate Seminar**

Catalog Number: 7559

James Sidanius and members of the Department

Half course (spring term). Tu., 12–2.

Students are introduced to major themes, debates and texts in the broad interdisciplinary field of



African and African American Studies. African and African American Studies 302, in the spring term, focuses on the social sciences.

Note: Required for all graduates in African and African American Studies in their first year. Ordinarily, only graduate students affiliated with the program will be permitted to attend.

***African and African American Studies 310. Individual Reading Tutorial**

Catalog Number: 1374

Emmanuel K. Akyeampong 3421 (on leave 2009-10), Ali S. Asani 7739 (on leave fall term), Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472 (on leave 2009-10), Lawrence D. Bobo 2919, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave spring term), Duana Fullwiley 5767 (on leave 2009-10), Henry Louis Gates, Jr. 2899, Claudine Gay 5485, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave fall term), Francis Abiola Irele 4354, Biodun Jeyifo 1001 (on leave spring term), Walter Johnson 5616, Michael R. Kremer 2112 (on leave fall term), Michèle Lamont 4634, Ingrid Monson 1591 (on leave 2009-10), Marcyliena Morgan 2212, John M. Mugane 4776 (on leave spring term), Jacob Olupona 5608, Orlando Patterson 1091 (on leave spring term), Tommie Shelby 3863 (on leave 2009-10), Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424, Doris Sommer 2744 (on leave 2009-10), John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

Allows students to work with an individual member of the faculty in a weekly tutorial.

Note: Students may not register for this course until their adviser and the faculty member with whom they plan to work have approved a program of study.

***African and African American Studies 390. Individual Research**

Catalog Number: 4046

Emmanuel K. Akyeampong 3421 (on leave 2009-10), Ali S. Asani 7739 (on leave fall term), Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472 (on leave 2009-10), Lawrence D. Bobo 2919, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave spring term), Duana Fullwiley 5767 (on leave 2009-10), Henry Louis Gates, Jr. 2899, Claudine Gay 5485, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave fall term), Francis Abiola Irele 4354, Biodun Jeyifo 1001 (on leave spring term), Walter Johnson 5616, Michael R. Kremer 2112 (on leave fall term), Michèle Lamont 4634, Ingrid Monson 1591 (on leave 2009-10), Marcyliena Morgan 2212, John M. Mugane 4776 (on leave spring term), Jacob Olupona 5608, Orlando Patterson 1091 (on leave spring term), Tommie Shelby 3863 (on leave 2009-10), Kay Kaufman Shelemay 3483, Werner Sollors 7424, Doris Sommer 2744 (on leave 2009-10), John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

Requires students to identify and carry out a research project under the guidance of a member of the faculty. Graduate students may use this course to begin work on the research paper required for admission to candidacy.

***African and African American Studies 391. Directed Writing**

Catalog Number: 4587

Emmanuel K. Akyeampong 3421 (on leave 2009-10), Ali S. Asani 7739 (on leave fall term),



Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472 (on leave 2009-10), Lawrence D. Bobo 2919, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave spring term), Duana Fullwiley 5767 (on leave 2009-10), Henry Louis Gates, Jr. 2899, Claudine Gay 5485, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave fall term), Francis Abiola Irele 4354, Biodun Jeyifo 1001 (on leave spring term), Walter Johnson 5616, Michael R. Kremer 2112 (on leave fall term), Michèle Lamont 4634, Ingrid Monson 1591 (on leave 2009-10), Marcyliena Morgan 2212, John M. Mugane 4776 (on leave spring term), Jacob Olupona 5608, Orlando Patterson 1091 (on leave spring term), Tommie Shelby 3863 (on leave 2009-10), Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424, Doris Sommer 2744 (on leave 2009-10), John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

Requires students to identify a major essay and carry it out under the guidance of a member of the faculty. Graduate students may use this course to begin to work on the research paper that is a requirement of admission to candidacy.

***African and African American Studies 398. Reading and Research**

Catalog Number: 0427

Emmanuel K. Akyeampong 3421 (on leave 2009-10), Ali S. Asani 7739 (on leave fall term), Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472 (on leave 2009-10), Lawrence D. Bobo 2919, Vincent Brown 4638, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave spring term), Duana Fullwiley 5767 (on leave 2009-10), Henry Louis Gates, Jr. 2899, Claudine Gay 5485, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave fall term), Francis Abiola Irele 4354, Biodun Jeyifo 1001 (on leave spring term), Walter Johnson 5616, Michael R. Kremer 2112 (on leave fall term), Michèle Lamont 4634, Ingrid Monson 1591 (on leave 2009-10), Marcyliena Morgan 2212, John M. Mugane 4776 (on leave spring term), Jacob Olupona 5608, Orlando Patterson 1091 (on leave spring term), Tommie Shelby 3863 (on leave 2009-10), Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424, Doris Sommer 2744 (on leave 2009-10), John Stauffer 1006, Mark R. Warren (Education School) 2010, David Williams 5778, and William Julius Wilson 2401

Note: Permission of the instructor and the Director of Graduate Studies is required for enrollment.

***African and African American Studies 399. Direction of Doctoral Dissertations**

Catalog Number: 8411

Emmanuel K. Akyeampong 3421 (on leave 2009-10), Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472 (on leave 2009-10), Lawrence D. Bobo 2919, Glenda R. Carpio 4408, Kimberly McClain DaCosta 4182, Marla F. Frederick 4728 (on leave spring term), Duana Fullwiley 5767 (on leave 2009-10), Henry Louis Gates, Jr. 2899, Claudine Gay 5485, Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785 (on leave fall term), Francis Abiola Irele 4354, Biodun Jeyifo 1001 (on leave spring term), Walter Johnson 5616, Michael R. Kremer 2112 (on leave fall term), Michèle Lamont 4634, Ingrid Monson 1591 (on leave 2009-10), Marcyliena Morgan 2212, John M. Mugane 4776 (on leave spring term), Jacob Olupona 5608, Orlando Patterson 1091 (on leave spring term), Tommie Shelby 3863 (on



leave 2009-10), Kay Kaufman Shelemay 3483, James Sidanius 5371, Werner Sollors 7424, Doris Sommer 2744 (on leave 2009-10), David Williams 5778, and William Julius Wilson 2401

Cross-listed Courses of Interest to Students Pursuing the African Track

[Anthropology 2736. Medical Anthropology of Contemporary Africa]
 *BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa
 [*Folklore and Mythology 90d. African Women Storytellers]
[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)
 [Foreign Cultures 88. The African Experience: Between Tradition and Modernity]
[*Freshman Seminar 25t. AIDS in Africa](#)
[*Freshman Seminar 32w. African Musical Traditions](#)
[Government 1100. Political Economy of Development](#)
[Government 1197. The Political Economy of Africa](#)
 [Government 2227. The Politics and Economics of Africa]
[Historical Study A-21. Africa and Africans: The Making of a Continent in the Modern World](#)
 [Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]
[*History 76d. Asian and African Encounters with Empire - \(New Course\)](#)
 [*History 77a (formerly *History 1902). Alcohol in Sub-Saharan Africa, 1850 to the Present]
 [*History 77b. Protest, Rebellion and Power in East African History] - (New Course)
[*History 77c. Readings in African Environmental History - \(New Course\)](#)
 [*History 87a (formerly *History 1912). Health, Disease, and Ecology in African History]
[*History 87b \(formerly *History 1917\). Human Rights in Africa: An Historical Perspective](#)
 [History 1700 (formerly History 1904). The History of Sub-Saharan Africa to 1860]
 [History 1701 (formerly History 1907). West Africa from 1800 to the Present]
[History 1710. Africans and Europeans in Francophone Africa, 1800-1970 - \(New Course\)](#)
 [History 2708 (formerly History 2908). Sources, Methodology, and Themes in African History: Seminar]
[History 2709 \(formerly History 2909\). Themes in Modern Sub-Saharan African History: Proseminar](#)
 [History of Art and Architecture 195e. Art and Colonialism]
 [*History of Art and Architecture 196. Contemporary Art in Africa]
[Social Analysis 52. The Political Economy of Development](#)
[*Studies of Women, Gender, and Sexuality 1451. Women's Lives, Women's Struggles in Africa - \(New Course\)](#)

Cross-listed Courses of Interest to Students Pursuing the African American Track

[Economics 1816. Race in America]
[English 195x. Contemporary African American Literature](#)
[*English 270a. Early Atlantic World: Graduate Seminar - \(New Course\)](#)
[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)



[Foreign Cultures 88. The African Experience: Between Tradition and Modernity]

[*Government 98ef \(formerly *Government 90ef\). Black Politics in the Post Civil Rights](#)

[Era](#)

[Government 2576. Racial and Ethnic Politics in the United States](#)

[Historical Study B-39. American Revolutions in the Atlantic World]

[Historical Study B-43. \(formerly History 1629\). Slavery/Capitalism/Imperialism: The US in the Nineteenth Century](#)

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

[*History 74a \(formerly *History 1612\). African Diaspora in the Americas](#)

[*History 84a \(formerly *History 1605\). Early American Slave Revolts](#)

[*History 84g \(formerly *History 1656\). Harvard and Slavery](#)

[*History 84h (formerly *History 1667). The Northern Side of the Civil Rights Movement]

[History 2345 (formerly History 2664). Race and African-American Intellectual History: Seminar]

[History 2400 \(formerly History 2600\). Readings in Colonial and Revolutionary America: Proseminar](#)

[History 2412 (formerly History 2665). Topics in the History of Atlantic Slavery: Seminar]

[History 2463 \(formerly History 2661\). Graduate Readings in 20th-Century African-American History: Seminar](#)

[Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac]

[Literature and Arts A-88. Interracial Literature]

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue]

[Moral Reasoning 58. Slavery in Western Political Thought](#)

[*Psychology 2570r. Intergroup Relations: Research Seminar](#)

[Religion 1905. Introduction to Afro-Modernity and Trans-Atlantic Religions] - *(New Course)*

[Religion 2900. Ethnography of the African Diaspora: Race, Gender and Power - *\(New Course\)*](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States]

[*Sociology 185. Race and Crime in America]

[Sociology 248. Race, Politics, and Social Inequality: Seminar]

[*Sociology 249. "Race," Culture, and Social Structure: Seminar]

[*Sociology 300hf (formerly *Sociology 300). Workshop on Race: Black Youth Culture]

*Sociology 307. Proseminar on Inequality and Social Policy III

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the Committee on African Studies

Caroline M. Elkins, Professor of History (*acting chair*)
 Emmanuel K. Akyeampong, Professor of History and of African and African American Studies (*chair on leave*) (*on leave 2009-10*)
 Rawi Abdelal, Associate Professor of Business Administration (*Business School*)
 Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
 Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)
 Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies
 Jacqueline Bhabha, Lecturer on Social Studies
 Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies (*on leave 2009-10*)
 David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)
 Rita M. Breen, Executive Officer of the Committee on African Studies (*ex officio*)
 Catherine Siobhan Meihua Duggan, Assistant Professor of Business Administration (*Business School*)
 Felton J. Earls, Professor of Social Medicine (*Medical School*) and Professor of Human Behavior and Development (*Public Health*)
 Majid Ezzati, Associate Professor of International Health (*Public Health*)
 Wafaie W. Fawzi, Professor of Nutrition and Epidemiology (*Public Health*)
 Deborah D. Foster, Senior Lecturer on Folklore and Mythology
 Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies (*on leave 2009-10*)
 Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
 Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
 Allan G. Hill, Andelot Professor of Demography (*Public Health*)
 Nahomi Ichino, Assistant Professor of Government (*on leave fall term*)
 Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature (*on leave spring term*)
 Matthew Jukes, Assistant Professor (*Education School*)
 Calestous Juma, Professor of the Practice of International Development (*Kennedy School*)
 Jennifer Leaning, Professor of the Practice of International Health (*Public Health*) and Associate Professor of Medicine (*Medical School*)
 Jens Meierhenrich, Assistant Professor of Government and of Social Studies (*on leave fall term*)
 Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*on leave 2009-10*)
 John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program (*on leave spring term*)
 Lucie E. White, Louis A. Horvitz Professor of Law (*Law School*)

The Committee on African Studies is a multidisciplinary group of scholars appointed by the Dean of the Faculty of Arts and Sciences to coordinate teaching and research on Africa within Harvard's departments and faculties. It is primarily concerned with the planned development of



African studies in the University as a whole. Since it is also the Committee's goal to advance knowledge and understanding of African peoples throughout the University, it sponsors lectures, seminars, conferences, films, and exhibitions on Africa. Its non-credit Africa Seminar is open to all faculty members and students. The Committee offers summer grants for travel to Africa. Students can subscribe to a weekly e-mail listing of Harvard Africa events by writing to rbreen@fas.harvard.edu. For additional information on African studies at Harvard, consult the Committee's website at www.fas.harvard.edu/~cafrica or email cafrica@fas.harvard.edu.

Students interested in pursuing a degree in African Studies should consult the African and African American Studies chapter in this catalog. That department also offers a number of courses on African topics and has an African language program, which teaches over ten languages.

The following FAS departments offer courses on Africa. A more detailed description of these courses may be found in this catalog under the appropriate department or committee.

Departments with Courses of Interest:

General Education

Core Curriculum

Freshman Seminars

African and African American Studies

Anthropology

Economics

English and American Literature and Language

Folklore and Mythology

Government

History

History of Art and Architecture

Music

Near Eastern Languages and Civilizations

Romance Languages and Literatures



Study of Religion

Social Studies

Visual and Environmental Studies

In addition to the departmental offerings in the Faculty of Arts and Sciences, courses on Africa can also be found in the catalogs of the Schools of Public Health, Education, Law, Divinity, Business, and the Kennedy School of Government.

Anthropology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology

Theodore C. Bestor, Professor of Anthropology (*Chair*)

Sharon Alane Abramowitz, College Fellow in the Department of Anthropology and the Committee on Degrees in Studies of Women, Gender and Sexuality

Asad A. Ahmed, Assistant Professor of Anthropology (*on leave spring term*)

Robert Richard Alvarez, Robert F. Kennedy Visiting Professor of Latin American Studies (*fall term only*)

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology

Patricia Capone, Lecturer on Anthropology

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences

Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology, Associate Professor of Visual and Environmental Studies (*on leave fall term*)

Steven C. Caton, Professor of Contemporary Arab Studies (*on leave 2009-10*)

Jill Constantino, Lecturer on Anthropology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Michael Fisch, Lecturer on Anthropology

Rowan K. Flad, Associate Professor of Anthropology (*on leave spring term*)

Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies (*on leave 2009-10*)

James P. Herron, Preceptor in Expository Writing, Lecturer on Anthropology (*fall term only*)

Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Christina Jayne Hodge, Lecturer on Anthropology



Yuson Jung, Lecturer on Anthropology (*fall term only*)
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
Smita Lahiri, Associate Professor of Anthropology
C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
Matthew Joseph Liebmman, Assistant Professor of Anthropology
Diana Loren, Lecturer on Anthropology
Richard H. Meadow, Senior Lecturer on Anthropology (*Head Tutor*)
David R. Odo, Lecturer on Anthropology
Elise M. Prebin, Lecturer on Anthropology
Jeffrey Quilter, Senior Lecturer on Anthropology
Mary M. Steedly, Professor of Anthropology (*Director of Undergraduate Studies*)
Ajantha Subramanian, Morris Kahn Associate Professor of Anthropology and of Social Sciences
Kimberly Theidon, Associate Professor of Anthropology
Jason A. Ur, Associate Professor of Anthropology
Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies (*Director of Graduate Studies*)
James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave 2009-10*)
Marc U. Zender, Lecturer on Anthropology

Other Faculty Offering Instruction in Anthropology

Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts
Sally F. Moore, Victor S. Thomas Professor of Anthropology, Emerita
John S. Schoeberlein, Lecturer on Anthropology
Lawrence E. Stager, Dorot Professor of the Archaeology of Israel
Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology

Within the Anthropology concentration, there are two principal tracks: Archaeology and Social Anthropology. For the undergraduate requirements in these programs, consult the department website, www.anthropology.fas.harvard.edu and the Undergraduate Office of the Anthropology Department.

There is also a track in biological anthropology that is supervised, along with the concentration in Human Evolutionary Biology, within the newly formed Department of Human Evolutionary Biology, as part of the Life Sciences cluster of concentrations. See www.lifesciences.fas.harvard.edu.

Department of Anthropology course listings are numerically ordered as follows:

1000-1299 and 2000-2299: Archaeology



HEB 1300-1599 and 2300-2599: Biological Anthropology (see Human Evolutionary Biology chapter)

1600-1999 and 2600-2999: Social Anthropology

Archaeology

Primarily for Undergraduates

***Anthropology 91xr (formerly Anthropology 91r). Supervised Reading and Research**

Catalog Number: 5660

Richard H. Meadow (Head Tutor)

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in Anthropology, given on an individual basis and directly supervised by a member of the Department. May be taken for a letter grade or Pass/Fail. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department's website), signed by the adviser under whom he or she wishes to study, and a proposed plan of study.

***Anthropology 92xr (formerly Anthropology 92r). Research Methods in Museum Collections**

Catalog Number: 9029

Richard H. Meadow (Head Tutor)

Half course (fall term; repeated spring term). Hours to be arranged.

Special (individual) study of Peabody Museum collections directly supervised by a faculty member and a member of the curatorial staff. Requires a project involving a museum collection and developed in consultation with the supervisors.

Note: Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, submit a petition form (available on the Anthropology [Archaeology] website), signed by both supervisors and the Head Tutor for Archaeology and including a proposed research agenda, during the term preceding the term of enrollment. See the Head Tutor for Archaeology or members of the Peabody Museum curatorial staff for more information.

***Anthropology 97x. Sophomore Tutorial in Archaeology**

Catalog Number: 0400

Jason A. Ur

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course will focus on archaeological thinking, the cognitive skeleton of the discipline of archaeology, the principles and the logic that are the foundation of all archaeological conclusions and research. Central to this is an understanding of research design, archaeological theory and interpretation, culture and material culture; as well as an understanding of how to examine and construct an archaeological argument.

Note: Required of all concentrators in Archaeology.



***Anthropology 98xa. Junior Tutorial in Archaeology**

Catalog Number: 2959

Richard H. Meadow (Head Tutor)

Half course (fall term). M., 1–3.

The junior tutorial provides a background in archaeological method and theory through critical analysis of selected issues and debates particularly focusing on more complex societies. Specific topics include the origins of agriculture and the domestication of animals, the development of complexity and “civilization,” post-colonial and historical archaeology, and related ethical and theoretical issues. Weekly readings (drawn from current journal literature), discussions, several short writing assignments.

Note: Required of all concentrators in Archaeology.

***Anthropology 98xb. Junior Tutorial in Archaeology**

Catalog Number: 3568

Richard H. Meadow (Head Tutor)

Half course (spring term). Hours to be arranged.

This individual tutorial for archaeology students intending to write a senior thesis is normally undertaken with a member of the faculty during the second term of junior year. To enroll, a student *must submit a petition form* (available from the Anthropology Undergraduate Office, William James 352, or downloadable from the department’s website) with a proposed course plan of study and the tutorial adviser’s signature.

Note: Required of candidates for honors in Archaeology.

***Anthropology 99x (formerly Anthropology 99). Tutorial - Senior Year**

Catalog Number: 6656

Richard H. Meadow (Head Tutor)

Full course. Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

For Undergraduates and Graduates

Anthropology 1010. The Fundamentals of Archaeological Methods & Reasoning

Catalog Number: 8727

Jason A. Ur and Matthew Joseph Liebmann

Half course (fall term). M., W., at 10. EXAM GROUP: 3

A comprehensive introduction to the practice of archaeology and major themes from our human past: How do archaeologists know where to dig? How do we analyze and understand what we find? What do we know about the origins of the human species, agriculture, cities, and civilization? The course integrates methods and theory, and utilizes Peabody Museum collections, to show how we reconstruct ancient diet, trade, and political systems. We also explore the role of archaeology in colonialism, modern politics, and film.

Note: One 2 hour section per week. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Social Analysis. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.



[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar]

Catalog Number: 5150 Enrollment: Limited to 12.

Richard H. Meadow (Head Tutor)

Half course (spring term). Tu., Th., 11:30-1.

Focuses on controversies in the interpretation of archaeological remains from northwestern South Asia. Readings in the primary, interpretative, and popular literature and from the press and Internet form the foundation for discussion of such topics as: agricultural origins, the Indus Civilization and its relations to later cultures, the Aryan invasion theory, and the Ayodhya affair. The nature and use of archaeological evidence, logic of academic versus popular discourse, and role of belief form underlying themes.

Note: Expected to be given in 2010–11. May not be taken pass/fail. No auditors permitted. Given in alternate years.

Anthropology 1040. Origins of the Food We Eat

Catalog Number: 1837

Ofer Bar-Yosef and Richard H. Meadow (Head Tutor)

Half course (spring term). M., W., (F), at 11. EXAM GROUP: 4

Focuses on arguably the most significant transition in the human past, namely, that from hunting-gathering to agriculture and pastoralism. Covers the emergence of cultivation, adoption of plant foods, and domestication of animals in key regions of Asia and Latin America. Considers the spread of foods across the world during pre- and early history and beginning ca 1500 AD.

Discusses the contributions of archaeology, climatology, botany, zoology, genetics, and linguistics to these topics.

Note: Given in alternate years.

[Anthropology 1045. Ancient Settlement Systems: Seminar]

Catalog Number: 8978

Jason A. Ur

Half course (spring term). Hours to be arranged.

Approaches to spatial patterning in human societies, including the structure of settlements and the regional distribution of populations. The seminar will consider how variation in settlement and settlement systems can be related to factors such as environment, economy, and social and political organization. Case studies will be drawn from a range of New and Old World societies of varying scales of sociopolitical complexity.

Note: Expected to be given in 2010–11.

Anthropology 1060. Archaeological Science

Catalog Number: 2013

Richard H. Meadow (Head Tutor)

Half course (spring term). M., 7-10 pm. EXAM GROUP: 9

Focus on physical science and engineering methods and techniques used by archaeologists in the reconstruction of time, space, and human paleoecology, and analysis of archaeological materials. Topics include ¹⁴C dating, ice core and palynological analysis, stable isotope chemistry of paleodietary foodwebs, soil micromorphology and site formation, Pb isotope sourcing of metal artifacts, and microstructural and mechanical analyses of cementitious materials used in ancient monumental buildings.



Note: Meets at MIT.

Prerequisite: One year of college-level chemistry or physics.

Anthropology 1065. The Ancient Near East - (New Course)

Catalog Number: 28632

C. C. Lamberg-Karlovsky

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

From the earliest urban and literate civilizations to the formation of empire we shall review the political, economic, and religious beliefs of the Sumerians, Babylonians, and Egyptians. These early civilizations will then be discussed in the context of the first internationalism that brought them into contact with their near and distant neighbors from eastern Europe to Central Asia, Africa, and South Asia.

Anthropology 1080. North American Archaeology: Lost Tribes and Ancient Capitals of North America

Catalog Number: 5190

Matthew Joseph Liebmann

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Archaeology and culture history of Native North America, from the first appearance of humans over 12,000 years ago to the arrival of Europeans. Topics include intellectual and scientific contexts of the discipline's development; theories and debates over the arrival of modern humans in the New World; adaptations to changing Holocene environmental conditions; trends in cultural evolution on a continental scale; the development of agriculture and emergence of complexity; dynamic contact period interactions; and current political debates and ethical issues relating to the archaeology of North America.

[Anthropology 1085. Six Great Discoveries in New World Archaeology]

Catalog Number: 2318

Jeffrey Quilter

Half course (spring term). Tu., Th., 10–11:30.

The class will use six important archaeological sites as case studies by which to understand prehistory in the Ancient Americas and to learn of changing approaches to studying the past. From three major culture regions, two sites important for specialists and a wider audience will be examined in depth. They are North America: Cahokia and Chaco Canyon; Mesoamerica: Teotihuacan and Copan; Central Andes: Moche Huacas and Cuzco-Machu Picchu.

Note: Expected to be given in 2010–11. Class designed primarily for undergraduates with no previous experience in archaeology but it may also be taken by graduate students.

Anthropology 1090. Ethnography and Archaeology

Catalog Number: 8716

Gary Urton

Half course (fall term). W., 7–9:30 p.m. EXAM GROUP: 9

Archaeologists often draw on ethnographic studies of Western and non-Western societies as sources of explanation for ancient cultural practices. But the questions remain: How valid is the use of ethnographic analogy in the study of the past? What assumptions do archaeologists make about past social processes in their uses of ethnographic studies? These are some of the questions



addressed in this course.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

[Anthropology 1120. Comparative Analysis of Ancient Civilizations]

Catalog Number: 7474

C. C. Lamberg-Karlovsky

Half course (fall term). Hours to be arranged.

An analysis of the similarities and differences in the emergence of Mesopotamia, Egypt, Central Asia, and the Indus Valley. Economic, political, and religious systems are compared as are technology and demography.

Note: Expected to be given in 2011–12.

Anthropology 1125. The Moche of Ancient Peru: Politics, Economy, Religion and Art

Catalog Number: 0593

Jeffrey Quilter

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course will be a focused examination of the ancient Moche (ca. C.E. 100-800) of the north coast of Peru with particular attention paid to the nature of Moche political economy and its religious-ceremonial-artistic manifestations.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Anthropology 1130. Archaeology of Harvard Yard

Catalog Number: 1634

William L. Fash, Patricia Capone, Christina Jayne Hodge, and Diana Loren

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17

Archaeological data recovered from Harvard Yard provide a richer and more nuanced view of the 17th through 19th century lives of students and faculty in Harvard Yard, an area that includes the Old College and Harvard Indian College. Students will excavate in Harvard Yard and process and analyze artifacts and report on the results. Additional topics to be covered include regional historical archaeology, research design, surveying, archival research, stratigraphy, and artifact analysis.

Anthropology 1131. Archaeology of Harvard Yard II: Laboratory Methods and Analysis

Catalog Number: 0655

William L. Fash, Patricia Capone, Christina Jayne Hodge, and Diana Loren

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

Open to students who participated in the fall term investigations in Harvard Yard, this course focuses on the detailed analysis of the materials recovered in the excavations, within the context of archival and comparative archaeological and historical research. The analysis will also include an evaluation of the results of the ground-penetrating radar surveys conducted prior to the excavations, as part of the research design for the next season of investigations of the Indian



College site.

Prerequisite: Anthropology 1130, Archaeology of Harvard Yard.

[*Anthropology 1140. Human Modification of the Landscape]

Catalog Number: 5898

Noreen Tuross

Half course (fall term). Hours to be arranged.

Northern New England provides the archaeologist and environmental scientist with a natural experiment in land clearing that was caused by the agricultural practices of humans and the subsequent reforestation of the ecosystem. This course will concentrate on laboratory methods usable onsite to uncover evidence of past land use and change. The following approaches will be explored in the context of a historic farm site and a historic tannery: inorganic and organic element and compound distributions in soil, pollen and phytolith analysis, isotopic distribution in flora, and an introduction to mobile molecular biology.

Note: Expected to be given in 2011–12. This course has a 10-day residential component prior to the start of the term.

Anthropology 1150. Ancient Landscapes

Catalog Number: 4736

Jason A. Ur

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

Archaeological approaches to settlement and land use at the regional scale. Issues will include settlement systems, agricultural and pastoral systems, the role of humans environmental change, and also the methods used to investigate them.

[Anthropology 1155. Before Baghdad: Cities of Ancient Mesopotamia]

Catalog Number: 8450

Jason A. Ur

Half course (spring term). M., W., at 10.

The world's first cities emerged in Mesopotamia and were the defining characteristic of ancient civilizations in what is today Iraq, Syria and Turkey. They were inhabited by large populations, powerful kings, and the gods themselves. The course will consider the origins, ecology, spacial arrangement, socioeconomic religious organization, religious institutions, and collapse of cities from Gilgamesh to Saddam. Through archaeology and ancient texts, students will become familiar with cities such as Uruk, Babylon, Nineveh, and Baghdah.

Note: Expected to be given in 2010–11.

Anthropology 1160. Introduction to the Yucatec Maya Language

Catalog Number: 4772

Marc U. Zender

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An intensive introduction to the grammar, vocabulary and historical development of the Yucatec Maya language, still spoken by millions of speakers in Mexico and Belize, and with an extensive philological tradition stretching back to the early seventeenth century.



[Anthropology 1161. Classic Mayan Language, Literature and Society]

Catalog Number: 3617

Marc U. Zender

Half course (fall term). M., W., at 11.

This course surveys the language, writing and literary culture of the late Classic Maya (AD 600-900) of Central America. Following an intensive introduction to the grammar and vocabulary of the Classic Mayan script, we chart its historical development and genetic relationships with other Mayan languages. These comparisons allow a sociolinguistic appreciation of the significance of ancient language variation, and also facilitate deeper understandings of the historical, ritual and religious themes most central to Classic Mayan literature.

Note: Expected to be given in 2011–12.

[Anthropology 1162. Introduction to Classical Nahuatl]

Catalog Number: 9419

Marc U. Zender

Half course (fall term). Hours to be arranged.

An intensive introduction to the grammar, vocabulary and historical significance of Classical Nahuatl, the language of the Aztec Empire, and precursor to numerous varieties of the language still spoken in Modern Mexico. We will also study Aztec hieroglyphic writing and the extensive philological sources for Nahuatl, some dating back to the early 15th century.

Note: Expected to be given in 2010–11.

[Anthropology 1165. Digging the Glyphs: Adventures in Decipherment](#)

Catalog Number: 9906

Marc U. Zender

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Focuses on the method and theory of archaeological decipherment. Major decipherments are studied in-depth (Egyptian hieroglyphs, the cuneiform scripts, Linear B, Maya and Aztec glyphs), as are various undeciphered scripts (Linear A, Isthmian and Rongorongo) and a number of deciphered systems encoding extinct languages (Etruscan, Meroitic and Sumerian). Other topics include the origins, development, and sociopolitical uses of writing in the ancient world.

[Anthropology 1174. The Incas]

Catalog Number: 5311

Gary Urton

Half course (fall term). Hours to be arranged.

An introduction to the archaeology of the Incas beginning with an overview of pre-Inca civilizations of Andean South America. Attempts to understand how the Inca integrated the varied peoples and resources of the Andes into a unified empire. Ends with an overview of the destruction and transformation of Inca society and culture under Spanish colonialism. Studies Inka materials in the Peabody Museum collection.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.



[Anthropology 1175. The Archaeology of Ethnicity]

Catalog Number: 1022

Gary Urton

Half course (spring term). Hours to be arranged.

Ethnic identity and conflict are among the most powerful processes and relations shaping the world we live in today. Questions addressed include: What can we understand about ethnic identity and relations in the prehistoric world on the basis of the archaeological record? For example, how might differences in material culture represent and reflect markers of ethnic identity? The Peabody Museum collections will provide materials for study and analysis.

Note: Expected to be given in 2010–11.

Anthropology 1177. South American Archaeology

Catalog Number: 6996

Gary Urton

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Provides an overview of Pre-Columbian civilizations on the continent of South America from the earliest record of human habitation to the time of the European invasion, in the sixteenth century. Focuses on the archaeology of the Amazon and Orinoco rivers, the Andes, and the Pacific coast of Peru and Chile. Extensive use will be made of the South American collections in the Peabody Museum.

[Anthropology 1190. Encountering the Conquistadors]

Catalog Number: 9956

Matthew Joseph Liebmman

Half course (spring term). Hours to be arranged.

This course examines the effects of the Spanish Conquest on indigenous peoples of the Americas between the fifteenth and eighteenth centuries, providing an introduction to the archaeology of first encounters in the Caribbean, Southeast and Southwest US, Central Mexico, highland and lowland Mesoamerica, the Amazon basin, and in the Andes. Topics addressed include the roles of disease, indigenous politics, native rebellions, and ecological change in the colonization of the 'New' World.

Note: Expected to be given in 2010–11.

[Anthropology 1210. The Archaeology of Ancient China]

Catalog Number: 1793

Rowan K. Flad

Half course (fall term). Hours to be arranged.

A survey of the archaeology of China from the origins of humans during the Palaeolithic into the Bronze Age (ca. 220 BCE), with an emphasis on the origins of agriculture and the emergence of complex society during the late Neolithic and Early Bronze Age. We survey important archaeological finds from these periods and examine relevant issues in anthropological archaeology. Sections will involve the discussion and use of materials from the Peabody and Sackler Museums.

Note: Expected to be given in 2010–11.



[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy]

Catalog Number: 4504

Rowan K. Flad, Ofer Bar-Yosef, and C. C. Lamberg-Karlovsky

Half course (spring term). Hours to be arranged.

Discussions and presentations of archaeological finds (stone, bone and wooden tools, hearths, site spatial organization, etc.) from the earliest Stone Age some 2.5 million years ago through the transition through Neolithic farming and herding communities to complex polities.

Note: Expected to be given in 2010–11.

Primarily for Graduates

[*Anthropology 2000. Osteoarchaeology Lab]

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow (Head Tutor)

Half course (fall term). W., 2-5, and at least 3 hours of laboratory weekly.

Introduction to the osteoarchaeological analysis. Identification of animal bones and teeth from archaeological sites using comparative materials and their characterization employing visual, metric, and microscopic methods.

Note: Expected to be given in 2010–11. Given in alternate years. Open to qualified undergraduates. Fulfills laboratory course requirement for archaeology graduate students and archaeological science requirement for undergraduate concentrators.

Anthropology 2010ar. Materials in Ancient Societies: Metal

Catalog Number: 7163

C. C. Lamberg-Karlovsky

Half course (fall term). Hours to be arranged.

This seminar-laboratory subject provides in-depth study of the technologies of ancient societies.

Note: Open to senior undergraduates with permission of instructor.

Anthropology 2010br. Materials in Ancient Societies: Metal

Catalog Number: 1753

C. C. Lamberg-Karlovsky

Half course (spring term). Hours to be arranged.

This seminar-laboratory subject provides in-depth study of the technologies of ancient societies.

Note: Anthropology 2010ar is commonly taken before Anthropology 2010br.

[*Anthropology 2020 (formerly Anthropology 1065). GIS and Spatial Analysis in Archaeology]

Catalog Number: 3729 Enrollment: Limited to 8.

Jason A. Ur

Half course (spring term). Hours to be arranged.

An introduction to the GIS and remote sensing methods used by archaeologists to document and analyze datasets at the regional scale. This class will involve the hands-on use of maps, aerial photography, satellite imagery, digital terrain models and GPS-based observations to frame and approach archaeological research questions. Labs will use sample datasets from a variety of regions but students will be responsible for assembling a GIS database for their own region of



interest.

Note: Expected to be given in 2010–11.

[Anthropology 2065. Complex Societies of Northern Mesopotamia]

Catalog Number: 6426

Jason A. Ur

Half course (spring term). M., 3–5.

This seminar will investigate themes in recent research on complex societies of northern Mesopotamia from the end of the fifth to the middle of the first millennium BC.

Note: Expected to be given in 2011–12.

***Anthropology 2070a. Archaeological Method and Theory: Seminar**

Catalog Number: 4634

Matthew Joseph Liebmann

Half course (spring term). M., 2:30-5:30. EXAM GROUP: 7, 8, 9

The class covers archaeological method and theory emphasizing the 1950s onwards. Large-scale trends in social theory will be balanced with attention to the ideas and writings of significant anthropologists and archaeologists.

Note: Required of graduate students in the Archaeology Program of Anthropology; This class is designed for graduate students but enthusiastic and energetic undergraduates are most welcome.

Anthropology 2070b. Case Studies and Research Proposal Preparation

Catalog Number: 4238

Noreen Tuross

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Seminar for graduate students that will focus on grant and paper writing, and will also include selected case studies.

Note: Anthropology 2070a is commonly taken before Anthropology 2070b, but is not a prerequisite. Required of students in the Archaeology Program of Anthropology; open to other graduate students and advanced undergraduates with permission of instructor.

[Anthropology 2091r. Issues in Chinese Archaeology]

Catalog Number: 4232

Rowan K. Flad

Half course (fall term). Hours to be arranged.

A close reading of archaeological site reports and secondary literature related to topics in Chinese Archaeology, with a focus on complex societies.

Note: Expected to be given in 2011–12.

Prerequisite: Adequate reading knowledge of Chinese required.

[Anthropology 2092. Early China: Archaeology and Texts]

Catalog Number: 9379

Rowan K. Flad and Michael J. Puett

Half course (fall term). Tu., 1–3, and a weekly section to be arranged.

A comprehensive introduction to Bronze Age China focusing on both archaeological discoveries from the second and first millennia and textual material including oracle bones, bronze



inscriptions, excavated texts, and traditional accounts.

Note: Expected to be given in 2010–11. Advanced undergraduates welcome.

[Anthropology 2110r (formerly Anthropology 211r). Issues in Mesoamerican Archaeology: Seminar]

Catalog Number: 7276

William L. Fash

Half course (fall term). Th., 3–6.

Considers current topics and debates in the archaeology of Mesoamerica, with special emphasis on ancient Maya civilizations. Readings and discussions focus on aspects of social process, political history, and their interplay with ritual and ideology.

Note: Expected to be given in 2011–12.

[Anthropology 2175. The Inca Quipu]

Catalog Number: 0329

Gary Urton

Half course (spring term). W., 1–3.

An examination of the principal Inca record-keeping device. Read studies on quipu record keeping from Pre-Columbian through early colonial times, and study the quipus in the Peabody Museum.

Note: Expected to be given in 2010–11.

[Anthropology 2210. Archaeology and the Ancient Economy]

Catalog Number: 3586

C. C. Lamberg-Karlovsky

Half course (fall term). Hours to be arranged.

Numerous theories are advanced for the structure of the ancient economy. Different perspectives on the nature of trade, the market, reciprocity-redistribution, etc. will be reviewed. An evolutionary and global perspective will be pursued from the Neolithic to the Iron Age.

Note: Expected to be given in 2010–11. Open to undergraduates.

[Anthropology 2240. Archaeology of Production: Seminar]

Catalog Number: 8589

Rowan K. Flad

Half course (spring term). M., 2–5.

An exploration of production in archaeological contexts. Topics include specialization, craft production, production and power, the practice/performance of production, production and gender, ritualized production, and the production of memory.

Note: Expected to be given in 2011–12.

[Anthropology 2250a. Proseminar in Archaeology - \(New Course\)](#)

Catalog Number: 79363

Richard H. Meadow (Head Tutor) and Ofer Bar-Yosef

Half course (fall term). W., 3–6. EXAM GROUP: 8, 9

This graduate seminar reviews critical issues in archaeological approaches to small-scale



societies, including methods and interpretations relating to the study of mobility, sedentism, seasonality, plant and animal exploitation, and migration.

Anthropology 2250b. Proseminar in Archaeology - (New Course)

Catalog Number: 64588

C. C. Lamberg-Karlovsky, Jeffrey Quilter, and Gary Urton

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

This graduate seminar reviews critical issues in archaeological approaches to the study of complex societies, including writing, trade, craft specialization, technology, landscape, urbanism, and political organization.

[Anthropology 2360r (formerly Anthropology 206r). Topics in Paleolithic Archaeology and Paleoanthropology]

Catalog Number: 8630

Ofer Bar-Yosef

Half course (spring term). F., 1–3.

Selected topics in Old World paleoanthropology. Topics include *Homo erectus* and modern human dispersions, Eurasian colonization, survival strategies of the Neanderthals and their demise, radiometric techniques, transition to Upper Paleolithic, strategies of past foragers.

Note: Expected to be given in 2011–12.

Cross-listed Courses

[Ancient Near East 105. History of the Ancient Near East: The Levant (up to Alexander the Great)]

[Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)]

Ancient Near East 117. Biblical Archaeology

Ancient Near East 118. Syro-Palestinian Pottery

[*Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar]

Culture and Belief 21 (formerly Foreign Cultures 93). Pathways through the Andes—Culture, History, and Beliefs in Andean South America

***Freshman Seminar 44j. The Aztecs and Maya**

Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States

Societies of the World 30. Moctezuma's Mexico: Then and Now

Social Anthropology

Primarily for Undergraduates

Anthropology 91zr (formerly Anthropology 91r). Supervised Reading and Research

Catalog Number: 3619

Mary M. Steedly

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in Anthropology, given on an individual basis and directly supervised by a member of the Department. May be taken for a letter grade or Pass/Fail. To



enroll, a student must submit to the Anthropology Undergraduate Office, William James 352, a course form signed by the adviser under whom s/he wishes to study and a proposed plan of study. Anthro 91zr form available from the Undergrad Office, or the department website.

Anthropology 92zr (formerly Anthropology 92r). Research Methods in Museum Collections

Catalog Number: 4742

Mary M. Steedly

Half course (fall term; repeated spring term). Hours to be arranged.

Special (individual) study of Peabody Museum collections directly supervised by a faculty member and a member of the curatorial staff. Requires a project involving a Harvard Museum collection, developed in consultation with the supervisors.

Note: Must be taken for a letter grade. Priority given to students in Anthropology and related departments. To enroll, *submit a petition form* (available from the Undergraduate Office, William James 352), signed by both supervisors, a proposed research agenda, during the term preceding the term of enrollment. Information sheets with Museum contacts available in William James 352.

Anthropology 97z. Sophomore Tutorial in Social Anthropology

Catalog Number: 5832

Smita Lahiri

Half course (spring term). M., 1–2:30. EXAM GROUP: 6, 7

The sophomore tutorial provides an in-depth exploration and critique of major theoretical approaches in social and cultural anthropology, the historical context of their emergence, and their contribution and relation to the discipline as a whole. Seminar members will have a chance to read and discuss selected works by key theorists, and to see how their ideas have shaped ethnographic description and analysis.

Note: Required of all concentrators.

Anthropology 98z. Junior Tutorial in Social Anthropology

Catalog Number: 4503

Mary M. Steedly

Half course (fall term). Hours to be announced.

Junior tutorials in Social Anthropology explore critical theoretical issues related to a single ethnographic region (eg. South Asia, Africa, Latin America). The issues and areas change from year to year, but the purpose remains the same: to give students a chance to grapple with advanced readings and to experience the ways that ideas and theories can be applied and critically analyzed in ethnographic studies.

Anthropology 99z (formerly Anthropology 99). Tutorial - Senior Year

Catalog Number: 0787

Smita Lahiri

Full course. Tu., 6–8 p.m.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.



For Undergraduates and Graduates

Anthropology 1600. Watching Us, Seeing Them: A General Introduction to Social Anthropology

Catalog Number: 8296

David R. Odo

Half course (spring term). Tu., Th., at 1, with weekly section to be arranged. EXAM GROUP: 15

This course is a critical introduction to the premises, vocabulary, and methods of the anthropological dialogue with people of other cultures. Lectures and discussions revolve around several themes central to the discipline, such as "cultural relativism," "social structure," "interpretation," "gender," "the invention of tradition," and "reflexivity." At the same time, we will seek some fair-minded insights into the collective lives of people who work, play, fight, speak, eat and pray in ways different from our own. In the end, we will see ourselves more clearly and fairly as well.

Note: Open to freshmen. This course may fulfill the 'Entry Course' requirement for Social Anthropology.

***Anthropology 1610. Ethnographic Research Methods**

Catalog Number: 2622 Enrollment: Limited to 20.

Sharon Alane Abramowitz

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

Introduction to methodology for contemporary ethnographic field research in anthropology. Students complete assigned and independent research projects relying on a variety of ethnographic methods, under supervision of department faculty.

Note: Open to undergraduates only. Preference given to anthropology concentrators.

Anthropology 1616. African Intersections: Contemporary Problems in the Anthropology of Africa - (New Course)

Catalog Number: 72781 Enrollment: Unlimited.

Sharon Alane Abramowitz

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Examines contemporary problems in the anthropological study of Africa, including: governance, globalization, human rights, colonialism and post-colonial political economies, gender, witchcraft, religion, and medical systems, wars and conflicts, urbanization, environmental changes, and transnational migrations of persons and cultures. As we move through the course, students concern themselves with issues of tradition and modernity, mobility, globalization, subaltern status, cultural relativism, and issues of representation. Students are expected to complete assigned readings, assignments, and research projects.

Note: Open to undergraduates and graduates.

Anthropology 1624. Contemporary Themes in the Anthropology of Politics - (New Course)

Catalog Number: 72117

Asad A. Ahmed

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 14

Given the recent emphasis on procedural democracy and freedom as universal norms for political life, how are we to understand other political arrangements and values? Are they inferior or



inadequate political forms that reflect the inability of other cultures and societies? Or do they contain possibilities for other styles of political engagement? This course will explore the political through anthropological theory and ethnographic engagements. Themes include: the state, democracy, civil society and citizenship amongst others.

[Anthropology 1628. Governing India: The Raj]

Catalog Number: 9501 Enrollment: Limited to 20.

Asad A. Ahmed

Half course (spring term). M., 2–4.

Is the Raj only a fading memory or does its legacy continue to inform the political and social trajectories of contemporary South Asia? This course will explore the ways through which the colonial regime produced knowledge about Indian society and the political and social institutions that were developed to govern India. We therefore investigate colonial interventions in architecture and the army, the institutions of law and order, environment and hygiene, amongst others.

Note: Expected to be given in 2010–11. Graduate students allowed with permission of the instructor.

[Anthropology 1630. Other People's Beliefs: The Anthropology of Religion]

Catalog Number: 9598

Smita Lahiri

Half course (fall term). M., W., at 12.

From its inception as a discipline addressing non-Western cultures, anthropology has examined the religious beliefs and practices of people who are “not us.” Yet the cross-cultural study of phenomena such as “ritual,” “sacrifice,” and the “sacred” also renders absolute distinctions between “us” and “them” untenable. At a time when religion is in resurgence from the Americas to Asia, Africa, and the Middle East, we survey the contribution of anthropology to understanding its complexity and resilience.

Note: Expected to be given in 2010–11. This course may fulfill the ‘Entry Course’ requirement for Social Anthropology.

[Anthropology 1635. Human Rights and Social Justice]

Catalog Number: 9261

Kimberly Theidon

Half course (fall term). Tu., Th., 11:30–1.

Studies the theory and practice of human rights. Themes to be explored include: anthropology and human rights; the emergence of an international human rights regime; indigenous peoples, autonomy and self-determination; human rights and international humanitarian law during times of war; the rights of children; the thorny question of humanitarian intervention; and the role of academic-activists in the defense of human rights.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

[Anthropology 1640. Language and Culture](#)

Catalog Number: 5844

James P. Herron



Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Examines the ways forms of speaking can constitute cultural life and vice versa. A comprehensive overview of linguistic theories of structuralism and their criticism will form the basis on which to proceed to an ethnography of speaking in different societies. Topics will include: the structuralism of Ferdinand de Saussure, the Sapir-Whorf Relativity Hypothesis and its modern evocations, pragmatics, performativity, Bakhtinian dialogicality, and poetry and poetics.

Note: No previous knowledge of linguistics or of anthropology is required. This course may fulfill the 'Entry Course' requirement for Social Anthropology. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Anthropology 1655. Politics of Nature

Catalog Number: 0710

Ajantha Subramanian

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the intersections of ecology, history, and politics with a focus on the social construction of nature, politics of natural resource use, centrality of resource control to the consolidation of empires and nations, and the making of post-industrial natures. Some of the theoretical frameworks considered include: political ecology, Marxist geography, development anthropology, and environmental history. Some of the political trends addressed include: offshore extraction, nuclearization, legal pluralism, indigenous rights, wilderness preservation, and global environmentalism.

Anthropology 1660 (formerly Anthropology 155). What is Islam? Anthropological Perspectives

Catalog Number: 3837 Enrollment: Limited to 15.

John S. Schoeberlein

Half course (spring term). M., W., at 10. EXAM GROUP: 3

How do we unpack claims such as that Islam is defined by militant Jihad or rigid adherence to Sharia law, that Islam means "peace", or that Islam is irreconcilable with modern society? The course surveys anthropological approaches to understanding the meaning of religion in Muslim societies. Reading ethnographies from Muslim societies, we will focus on Islam as lived experience, contested modernity, imagined enmities, frameworks of social order, and concepts of moral order.

***Anthropology 1665. Humans and Animals: Seminar - (New Course)**

Catalog Number: 15058 Enrollment: Limited to 12.

Jill Constantino

Half course (fall term). W., 1–3.

Seminar on cultural and political ecology, concentrating on the spectrum of relationships between humans and animals, both wild and domesticated, that exist across cultures and throughout history. Attention will be on behavioral, material, affective, symbolic, and ideological aspects of human-animal relationships, as well as both the animalic nature of humanity and humanity's inclination to anthropomorphize animality. We shall consider anthropological, scientific, and literary texts, as well as artistic iconography and works of cinema.

Note: Limited to undergraduates.



Anthropology 1668. Muslims in the Lands of the "Militant Godless": Post-Socialism, Religion and Identity - (New Course)

Catalog Number: 75154

John S. Schoeberlein

Half course (fall term). W., 1–3.

By 1989, the preeminence of atheism ended in Communist countries inhabited by Muslims in Eurasia from Mongolia and China to Central Asia, Russia, and Bosnia. Two decades of "transition" have seen dramatic change in Islam's social role. This course explores emerging fields of anthropology of post-Socialism and Islam in the former Soviet Bloc, focusing on Islam between state and society, social transformations occurring under the "transition" from Communism, and changing identities and cultural forms.

Anthropology 1690. The Culture Machine: Youth Culture, Networks and Commodities in East Asia

Catalog Number: 1201

Michael Fisch

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course will look at the production, dissemination and consumption of commodities in contemporary East Asia. It will question the significance in the present of conventional notions of the commodity, labor theory of value, mass media and mass consumption. Particular attention will be paid to the role of youth in the production and consumption of culture, and to processes of national branding.

Anthropology 1710. Memory Politics

Catalog Number: 3793

Kimberly Theidon

Half course (fall term). M., W., (F.), at 10, and a weekly section to be arranged. EXAM GROUP: 3

An engagement with an interdisciplinary set of readings that analyze the relationship between memory and social reconciliation, and the role that theories of truth, justice, and redress play in this equation. We analyze truth commissions, forms of justice, and debates regarding reparations, and the points of conjuncture and disjuncture between national discourses and subaltern concepts of truth, justice, and reconciliation. Case studies include Rwanda, South Africa, Guatemala, Peru, and El Salvador.

Anthropology 1712. Cultures of Reproduction - (New Course)

Catalog Number: 10976

Linda Ellison

Half course (spring term). M., W., at 11 with weekly section to be arranged. EXAM GROUP: 4

In an unstable era when people across the globe are ravaged by wars and economic distress, yet transfixed by fame and celebrity, humans continue to live in families, reproduce, and instill in their children the norms and values they hold. Across an array of nations, we will map cultural norms of sexuality, reproduction, and kinship that have held fast for centuries, and new norms influenced by media, movie stars, private philanthropy, modern warfare, and consumerism.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.



Anthropology 1720. Anthropology, Cultural Studies, and Film

Catalog Number: 1522 Enrollment: Limited to 25.

Smita Lahiri and Ramyar Dagoberto Rossoukh

Half course (fall term). M., W., at 11; F., 5–9 p.m. EXAM GROUP: 4

Focuses on feature-length commercial film (rather than ethnographic or documentary film) and some of the culture industries (Hollywood, Iran, and Egypt) that produce them, paying particular attention to the Middle East. What might an anthropology of film look like? Film theory and cultural studies will be examined for their contributions to the answer to that question. Topics include the culture industry, critical theory, the ethnographic gaze, orientalism, media studies, modernity, nationalism, and transnationalism.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[Anthropology 1725. The Anthropology of the Korean Family]

Catalog Number: 5749

Elise M. Prebin

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This course is an introduction to social anthropology's major concepts and methods as well as an occasion to witness their practical application to the analysis of contemporary South Korean society. Using primary sources such as interviews, field observation, media, and secondary sources such as anthropological or historical texts on Korea, we will explore shifting facets of South Korean families today and compare them with their Japanese and Chinese counterparts.

Note: Expected to be given in 2010–11.

Anthropology 1728. Contemporary Korean Society and Culture - (New Course)

Catalog Number: 20468

Elise M. Prebin

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Commonly called the land of contrasts (or contradictions), and described by scholars as a nation that experienced a "compressed modernity" (Abelmann, 2003), contemporary South Korean society appeals to anthropologists, given their keen interest in social things "in the making." This course aims at exploring on a small scale, in detail, the everyday loci and actors of change, mostly in the urban settings of the second half of the 20th century.

Note: This course is open to everyone and does not require knowledge of the Korean language.

Anthropology 1790. Violence in the Andes: Coca, Conflict, and Control

Catalog Number: 2224

Kimberly Theidon

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

In this course we address the politics of coca and conflict in the Andean Region. We will trace different historical understandings of coca, ranging from the "miracle drug" to "moral panic". Our readings will allow us as to analyze the complex dynamics of coca production, counter-narcotics and counter-insurgency efforts in the Andes, moving between state and non-state actors as well as domestic and international interests. We will address the rise of indigenous movements within this context, and their potential to redefine political agendas in Colombia, Ecuador, Peru and Bolivia.



Anthropology 1795. The Politics of Language and Identity in Latin America

Catalog Number: 7265

Catalina Laserna

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Introduces theory and research in linguistic anthropology in the context of ethnographic research, film and popular music, from cumbia to hip-hop in Latin America. Examines how the multiplicity and contention of language ideologies play out in the everyday practices. What are the social, linguistic and discursive means by which social identity is constructed? How do ways of speaking, such as border talk and code switching, link face to face communities to the national and transnational spheres? Texts include regional ethnographies and documentaries from the region as well as the literature in the burgeoning new field of linguistic anthropology.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for Foreign Cultures.

[Anthropology 1805. Does Lakshmi Speak English? The Political Economy of Language in India]

Catalog Number: 8033

Smita Lahiri

Half course (spring term). M., 1–3.

The English-speaking call center worker has become the poster-child of Indian economic growth. This course examines the place of English in this postcolonial setting, particularly its use alongside other Indian languages in the public realm. Using perspectives from anthropological linguistics, students will analyze contemporary examples of speech and discourse to explore how "liberalization" (market reform) is currently reshaping the politics of language and identity.

Note: Expected to be given in 2010–11. Background in anthropology and familiarity with South Asia required.

Anthropology 1815. Empire, Nation, Diaspora: Asians in the U.S. - (New Course)

Catalog Number: 60047

Ajantha Subramanian

Half course (spring term). W., 1–3.

The U.S. is commonly described as a multicultural society and Asian Americans as "model minorities" with strong group identities. But when did multiculturalism become a defining characteristic of American society? What is its relationship to race and class? Why did migrants from Asia come here and how has their reception changed over time? When do they call themselves "Asians" and when do they privilege other self-representations? We will explore these questions through history, anthropology, literature, and film.

[Anthropology 1820. Japan in the Ethnographic Gaze: Seminar]

Catalog Number: 1267 Enrollment: Limited to 15.

Theodore C. Bestor

Half course (fall term). W., 4–6.

We examine ethnographies of Japan from the 1930s to the present to illuminate how Japan, as a cultural and social "whole," has been ethnographically problematized and re-problematized in different eras, from different theoretical interests such as culture-and-personality, modernization, and tradition, structuralist, post-structuralist, and cultural studies.



Note: Expected to be given in 2010–11. This course may fulfill the 'Entry Course' requirement for Social Anthropology.

Anthropology 1850. Ethnography as Practice and Genre

Catalog Number: 1686 Enrollment: Limited to 20.

Smita Lahiri

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

For sociocultural anthropologists, ethnography is both a way of studying human communities and a way of writing about them. Ethnographic fieldwork raises issues of participation, power, and perspective; cultural relativism; the nature of evidence; and the ethics of engagement. Writing ethnography highlights other issues, such as the politics of representing "others." This course explores these and related issues through close reading and intensive discussion of selected texts.

Note: This course may fulfill the undergraduate "Methods" requirement for Social Anthropology.

[Anthropology 1880. Chinese Culture and Society]

Catalog Number: 5917

James L. Watson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A detailed examination of Chinese social institutions, with emphasis on life in the countryside. Topics include: family and kinship organization, marriage and inheritance patterns, ritual and local religion, pre- and post-socialist cultural systems, and the effects of economic reforms on local life.

Note: Expected to be given in 2010–11. This course may fulfill the 'Entry Course' requirement for Social Anthropology. This course, when taken for a letter grade, meets the Core requirement for Foreign Cultures.

***Anthropology 1881. China After Mao: Seminar**

Catalog Number: 4642 Enrollment: Limited to 12.

James L. Watson

Half course (spring term). Tu., 1-3. EXAM GROUP: 15, 16

New work on the anthropology of China will be the focus of this course. Special attention will be given to issues of: nationalism, consumption and globalization, impact of the one-child policy, gender inequality, changing family relations, individualism, and private lives.

[Anthropology 1885. Desire, Duty, and Discontent: Ethnographic Examinations of Contemporary Urban "China"]

Catalog Number: 2457

Nicole D. Newendorp

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Contemporary life in Chinese urban areas is shaped by political and economic processes in the PRC, resulting in complex and ever-changing urban landscapes. This class will examine contemporary Chinese urban life in the PRC but also in Hong Kong, Taiwan, and North America. Questions considered include: Where is "China" located? What similarities and differences underlie changing patterns of social life in various urban Chinese locations? What challenges face ethnographers doing research in Chinese urban areas?



Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

[Anthropology 1925. The Anthropology of Development and Globalization]

Catalog Number: 5053

Yuson Jung

Half course (spring term). M., W., at 11. EXAM GROUP: 4

What is development and how does it relate to the discourse of globalization? This course is based on the premise that development questions lie at the center of the discipline's theoretical and ethnographic approaches. Topics covered include: poverty, consumption, markets, gender, environment, agricultural development, state power, institutions, and development alternatives in postcolonial and postsocialist worlds.

Note: Expected to be given in 2010–11.

[Anthropology 1950. Material Images: The Anthropology of Photography]

Catalog Number: 6930 Enrollment: Limited to 20. Preference given to upper level social anthropology concentrators.

David R. Odo

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This research seminar makes use of a wide range of theoretical texts, museum exhibitions and collections, and ethnographic case studies to consider broad issues in photography and anthropology. This course uses photographs to think critically about these practices, the conditions that fostered their production and their connection to the society that views/ed and use/d them. The materiality of photographic forms, representational content, and circulation of images are equally critical in this exploration of photography.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[Anthropology 1968. Shop 'Til You Drop: Consumer Society and Culture: Seminar - \(New Course\)](#)

Catalog Number: 24755

Yuson Jung

Half course (fall term). M., 1-3.

Course deals with the question of consumer society and explores cultures of consumption cross-culturally. Shop 'til you drop? Where does consumer desire come from? Why do we want things that we do not need? Are we all bound to consumerism in the age of globalization? How is consumption behavior affected by economic downturns? And finally, can there be a consumer culture in poverty or in non-capitalist circumstances?

Prerequisite: None required, but some anthropological knowledge useful.

[Anthropology 1972. Reconceptualizing the U.S.-Mexico Border: Comparative and Global Perspectives - \(New Course\)](#)

Catalog Number: 44608 Enrollment: Limited to 15.

Robert Richard Alvarez

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This course explores the political-economic construction of the US-Mexico border through a



comparative and global lens. The communities, peoples, and identities that have evolved on both sides of international demarcation are paramount here, but we will also interrogate the history and ideology of "the border," the geo-political advances of the nation-state and the hierarchical power vested in the control of national boundaries. A primary comparison is the southern Mexican border/frontier as well as national borders/boundaries in other countries.

Note: Preference given to upperclassmen and graduate students with an interest in the US-Mexico border, and borders generally.

[*Anthropology 1986. Art, Anthropology, and Aesthetics]

Catalog Number: 3844 Enrollment: Limited to 15.

Lucien G. Castaing-Taylor

Half course (spring term). Hours to be arranged.

In this seminar we shall study the warp and weft of human existence by crisscrossing between the anthropology of art and the art of anthropology. Both affinities and differences between art-making and anthropology will be considered, as well as alternative means of apprehending and expressing aesthetic and social experience cross-culturally.

Note: Expected to be given in 2010–11.

Primarily for Graduates

***Anthropology 2626. Research Design**

Catalog Number: 9193 Enrollment: Limited to 12.

Theodore C. Bestor

Half course (spring term). W., 4–6. EXAM GROUP: 9

Seminar focuses on weekly writing assignments leading to complete dissertation research proposals; defining theoretical and ethnographic contexts of research problem; reviewing literature; explaining site selection, methodology, timetable, human subjects protection; preparing budget; identifying grant sources.

Note: By permission only. Limited to doctoral candidates, with preference given to second and third year students in Anthropology.

Anthropology 2630. Power, Belief, and Practice: Topics in the Anthropology of Religion

Catalog Number: 1620 Enrollment: Limited to 15.

Smita Lahiri

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Brings anthropological perspectives on religion into dialog with interdisciplinary currents of cultural critique and social theory. Highlighted themes vary with each offering.

Note: The course topic for Spring 2010 is "Religion and Postcoloniality: National, Global, and Local Dynamics."

***Anthropology 2635. Image/Media/Publics: Seminar**

Catalog Number: 9515 Enrollment: Limited to 15.

Mary M. Steedly

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the relations among technologies of image production and circulation, the nature and intensity of the circulating image, and the generation of publics and counter-publics. Questions



of scale, mediation, publicity, and mobilization will be considered.

Note: Open to advanced undergraduates with permission of instructor.

Anthropology 2645. Reconfiguring Regimes: Power, Law and Governance

Catalog Number: 9925

Kimberly Theidon

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Studies changing concepts of law, power and governance within contemporary global politics. Combines theoretical readings with ethnographic inquiries of the state, the legal, the magical, and the just.

***Anthropology 2650a. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 1752

Michael Herzfeld

Half course (fall term). Tu., 6–8 p.m. EXAM GROUP: 18

A critical review of the major theoretical approaches in social anthropology.

Note: In conjunction with Anthropology 2840 in 2009-10, required of candidates for the PhD in Social Anthropology. Limited to, and aimed at, doctoral candidates. Not open to undergraduates.

[*Anthropology 2650b. History and Theory of Social Anthropology: Proseminar]

Catalog Number: 7971

Faculty to be determined

Half course (spring term). Hours to be arranged.

Continuation of Anthropology 2650a.

Note: Expected to be given in 2010–11. Required of candidates for the PhD in Social Anthropology. Not open to undergraduates.

[Anthropology 2660. The Anthropology of Knowledge: Seminar]

Catalog Number: 7070

Michael Herzfeld

Half course (fall term). Tu., 1–3.

Comparative exploration of local epistemologies from craft apprentices and skilled manual workers to schoolchildren, journalists and scientists, emphasizing the embodiment, inculcation, and transmission of practical knowledge and the relationships among cosmology, social context, and pragmatic understanding.

Note: Expected to be given in 2010–11.

Anthropology 2678. The Anthropology of Secularism

Catalog Number: 1390

Asad A. Ahmed

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Secularism, understood as the normative arrangement for modern societies, has remained immune from anthropological investigation. In addition to examining secularism as an institutional arrangement this course will explore it as a form of subjectivity.



[Anthropology 2688. The Frankfurt School, Film, and Popular Culture]

Catalog Number: 1182 Enrollment: Limited to 15.

Steven C. Caton

Half course (fall term). Hours to be arranged.

Focus in the Frankfurt School and such concepts as the culture industry, critical theory and research, art and mass media reproduction, negative dialectic, public sphere, and other of its contributions to social and aesthetic theory.

Note: Expected to be given in 2010–11. To be taught in conjunction with A1720. Writers will include Horkheimer, Adorno, Benjamin, Kracauer, and Bloch.

[Anthropology 2690. Middle East Ethnography: Discourse, Politics, and Culture]

Catalog Number: 8056 Enrollment: Limited to 18.

Ramyar Dagoberto Rossoukh

Half course (spring term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

The discursive construction of culture and its complex politics are examined in a wide range of ethnographies that have been written recently on countries in the Middle East, including Lebanon, Jordan, Israel/Palestine, Egypt, Morocco, Yemen, and Iran. Among the theoretical topics to be considered are orientalism, colonialism and post-colonialism, nationalism, self, gender, and tribalism.

Note: Expected to be given in 2010–11. Open to undergraduates.

[Anthropology 2702. Political Economy - \(New Course\)](#)

Catalog Number: 96462

Ajantha Subramanian

Half course (spring term). Tu., 2–4.

The course considers the relationship between the political and the economic through readings of classical texts in social theory, histories of capitalist transformation, and anthropological approaches to the economy as a culturally embedded phenomenon.

[Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology]

Catalog Number: 4411

Steven C. Caton

Half course (fall term). Th., 5–7 p.m.

A theory of linguistic pragmatics (Peirce, Benveniste, etc.) will be developed from a critique of structuralism (Saussure) whose relevance to the analysis of “culture” will be illustrated through ethnographies of language.

Note: Expected to be given in 2010–11. Limited to graduate students, who will also be expected to attend all Anthropology 1640 lectures.

[Anthropology 2735. The Anthropology of Science: Methods and Theory]

Catalog Number: 4310

Duana Fullwiley

Half course (fall term). M., 2–4.

An introduction to ethnographies of science in global scientific settings, this course emphasizes practicalities of access, analysis, and representation. It also explores intellectual stakes regarding



"the human" shared between anthropology and the life sciences today.

Note: Expected to be given in 2010–11.

[Anthropology 2736. Medical Anthropology of Contemporary Africa]

Catalog Number: 1570

Duana Fullwiley

Half course (spring term). Th., 3–5.

This course will examine the health effects of larger problems facing Africa today, including military and humanitarian HIV/AIDS interventions, genetic studies and offshore clinical trials, ethnic and state violence, economic crisis, resource extraction and migration.

Note: Expected to be given in 2010–11.

Anthropology 2740 (formerly Anthropology 245). Culture, Mental Illness, and the Body

Catalog Number: 6013

Byron J. Good (Medical School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Briefly reviews the figure of mental illness in Western thought and the social sciences, then focuses on themes in cross-cultural studies of psychopathology: culture and diagnosis; cultural influences on depression, schizophrenia, and dissociation; madness in non-Euroamerican healing systems; and transnational aspects of psychiatry.

[Anthropology 2750. Local Biologies: Perspectives on the Interaction Between Culture and Biology]

Catalog Number: 8267

Arthur Kleinman (Medical School)

Half course (spring term). Th., 1–3.

Reviews the variety of anthropological perspectives on the interactions between culture and biology. Topics include mind-brain-society interaction in pain; cross-cultural studies of menopause; sociosomatics of depression; the new genetics and eugenics; research on stress and trauma.

Note: Expected to be given in 2010–11. Open to advanced undergraduates with permission of instructor.

Anthropology 2765. Gender in Conflict: Violence, Militarism and War

Catalog Number: 7015

Kimberly Theidon

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

In this seminar we will combine theoretical texts with classic and contemporary ethnographies to explore the anthropological study of ethics and ethical resources as related to debates that have animated the field of medical anthropology.

[Anthropology 2785. Theories of Subjectivity in Current Anthropology]

Catalog Number: 1995

Byron J. Good (Medical School)

Half course (spring term). Hours to be arranged.

Theoretical positions and anthropological debates concerning subjectivity. Freud, Lacan, Butler,



Agamben, Zizek, Foucault, and Mbembe read alongside ethnographic texts on violence, suffering, governmentality, and the state.

Note: Expected to be given in 2010–11.

[Anthropology 2790. Anthropological Interviewing]

Catalog Number: 1305

Byron J. Good (Medical School)

Half course (spring term). Tu., 1–3.

Provides theoretical grounding and practical supervision in ethnographic interviewing. Addresses life history and interview design, developing and managing intimacy, recognizing transference and counter transference, recording and transcribing data, and textual analysis.

Note: Expected to be given in 2011–12.

Anthropology 2812. Space and Power - (New Course)

Catalog Number: 29833

Ajantha Subramanian

Half course (fall term). Th., 1–3.

This course considers space as a structuring principle of social life and as a product of political activity. It treats space as a dynamic force animating human existence rather than as its static backdrop.

Anthropology 2815. Anthropology and Law - (New Course)

Catalog Number: 83806

Sally F. Moore

Half course (spring term). Th., 3–5.

A review of the literature on law in anthropology, with a focus on the theoretical ideas in the field, key controversies, contemporary concerns with failed states, and development.

Note: Primarily for doctoral students in anthropology.

***Anthropology 2825. Agrarian Political Economies: Seminar - (New Course)**

Catalog Number: 63875

James L. Watson

Half course (spring term). M., 1–3.

Research seminar on classic and modern studies of various agrarian political economies. Focus on premodern and postmodern agricultural systems, globalization of agrarian polities, ancient and modern water control systems, and field research methods in agrarian settings.

[*Anthropology 2835r. Sensory Ethnography I]

Catalog Number: 7583 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (spring term). Hours to be arranged.

First half of a year-long sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, and/or still photography.

Note: Expected to be given in 2010–11. Limited to graduate students, who must also attend all VES 157a classes. Emphasis is on pre-production and production in the spring, and on post-production in the fall. Interview with instructor and teaching assistant required for admission.



***Anthropology 2836r. Sensory Ethnography II: Studio Course**

Catalog Number: 6213 Enrollment: Limited to 10.

Mary M. Steedly and Alfred F. Guzzetti

Half course (fall term). M., W., 1–4.

Second half of a year-long sequence in which students apply media anthropological theory and conduct ethnography using film, video, sound, still photography, and/or hypermedia.

Note: Limited to graduate students, who must also attend all VES 158 classes. Emphasis is on pre-production and production in the spring, and on post-production in the fall. Interview with instructor and teaching assistant required for admission.

Anthropology 2840. Ethnography and Personhood

Catalog Number: 3560

Michael Herzfeld

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Intensive, critical review of major ethnographies, exploring the relationship between society and personhood, examining ethnographic writing and its relation to other genres (including biography); and tracing anthropological theory through changes in descriptive and analytic practice.

Note: Given in alternate years. Required in 2009-10 of all first year Social Anthropology doctoral students.

[*Anthropology 2850r. Practicum in Foreign-Language Ethnography]

Catalog Number: 9856

Michael Herzfeld

Half course (fall term; repeated spring term). Hours to be arranged.

Readings in ethnographic and related theoretical works written in a selected foreign language; discussion, class presentations, and final papers will be in that language also.

Note: Expected to be given in 2010–11. Offered when demand and availability permit. Primarily for doctoral students.

Anthropology 2855. Deep China: What Medical Anthropology and Psychiatry Contribute to the Study of China Today

Catalog Number: 1679

Arthur Kleinman (Medical School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

What do accounts of depression, suicide, substance abuse, sexually transmitted diseases, SARS, HIV/AIDS, starvation and the personal and family trauma of political violence teach us about China and the Chinese over the last few decades?

Note: Open to undergraduates.

[*Anthropology 2856. Biography, the Novel, Psychotherapy and Ethnography: Deep Ways of Knowing the Person in the Moral Context]

Catalog Number: 8459

Arthur Kleinman (Medical School)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Compares deep ways of knowing the person in his/her cultural, political, economic and, most



especially, moral context. Reads strong examples from each field to learn about individual and collective experience under uncertainty and danger.

Note: Expected to be given in 2010–11. Open to graduate students and advanced undergraduates.

Anthropology 2980. “Culture”

Catalog Number: 1114

Mary M. Steedly

Half course (spring term). W., 3–6.

“Culture” is one of anthropology’s key concepts, but there has never been agreement as to the term’s meaning. We tour the work of culture’s key theorists, with an emphasis on American anthropological perspectives. Is culture still a useful concept in anthropological analysis?

Note: For first-year graduate students, or by permission of instructor. In 2009-10 (only), counts as second part of Social Anthropology Proseminar course requirement.

Cross-listed Courses

[African and African American Studies 12. What is Black Religion?: An Introduction]

African and African American Studies 156. Power and Aesthetics in Africa and the Diaspora - (New Course)

[African and African American Studies 199. Delimiting Health Disparities in the African Diaspora: A Laboratory for Social Engagement]

[Foreign Cultures 74. Cultures of Southern Europe]

Foreign Cultures 84. Tokyo

***History 84n. Visual Culture, Translation, and Indigeneity in the Great Lakes - (New Course)**

History of Science 249. Caregiving: Historical and Anthropological Perspectives: Seminar - (New Course)

Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology

Social Analysis 70. Food and Culture

Societies of the World 25 (formerly Anthropology 1825). Health, Culture and Community: Case Studies in Global Health

***Studies of Women, Gender, and Sexuality 1451. Women’s Lives, Women’s Struggles in Africa - (New Course)**

[*Visual and Environmental Studies 58r. Image, Sound, Culture: Studio Course]

***Visual and Environmental Studies 158r. Living Documentary: Studio Course**

***Visual and Environmental Studies 178. Documents of Childhood - (New Course)**

[Visual and Environmental Studies 189. Exploring Culture Through Film]

***Visual and Environmental Studies 189m. Reading Ethnographic Film: The Construction of Visual Knowledge - (New Course)**

Graduate Courses of Reading and Research

***Anthropology 3000. Reading Course**

Catalog Number: 3454

Asad A. Ahmed 5567 (on leave spring term), Ofer Bar-Yosef 1887, Theodore C. Bestor 2292, David L. Carrasco 4213, Lucien G. Castaing-Taylor 4584 (on leave fall term), Steven C. Caton



2307 (on leave 2009-10), William L. Fash 1512, Rowan K. Flad 5059 (on leave spring term), Duana Fullwiley 5767 (on leave 2009-10), Byron J. Good (Medical School) 7648, Michael Herzfeld 3122 (on leave spring term), Arthur Kleinman (Medical School) 7473, Smita Lahiri 4465, C. C. Lamberg-Karlovsky 2387, Richard H. Meadow (Head Tutor) 1572, Sally F. Moore 7225, Jeffrey Quilter 5383, Mary M. Steedly 2783, Ajantha Subramanian 4618, Kimberly Theidon 4973, Jason A. Ur 5307, Gary Urton 4469, James L. Watson 2172 (on leave 2009-10), and Marc U. Zender 5217

Special reading in selected topics under the direction of members of the Department.

Note: Consult the appropriate member of the Department.

***Anthropology 3001. Reading for General Examination**

Catalog Number: 5689

Members of the Department

Individual reading in preparation for the General Examination for the PhD degree.

Note: Restricted to candidates for the PhD degree and ordinarily to those who have completed at least one year in residence.

***Anthropology 3100. Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, and Richard H. Meadow (Head Tutor) 1572

***Anthropology 3111. Asiatic Archaeology and Ethnography**

Catalog Number: 5398

Rowan K. Flad 5059 (on leave spring term), C. C. Lamberg-Karlovsky 2387, and Lawrence E. Stager 1468

***Anthropology 3120. Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow (Head Tutor) 1572 and Noreen Tuross 4845 (fall term only)

***Anthropology 3130. Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887 and C. C. Lamberg-Karlovsky 2387

***Anthropology 3140. Methods and Theory in Archaeology**

Catalog Number: 5440

Members of the Department

***Anthropology 3300. Supervised Field Work in Anthropology**

Catalog Number: 5683

Members of the Department

General instruction in field methods and practice in the various divisions of anthropology, including archaeology, ethnography, and physical anthropology. Instructional personnel and location of course vary with the research program of the staff. Lectures, conferences, field and laboratory work.



Note: May be taken by graduate students for academic credit, but since it is tuition-free, does not count for residence credit leading to reduced tuition. Open to students with adequate previous training in the subject.

***Anthropology 3400. Reading and Research**

Catalog Number: 6699

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 3500. Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 3502. Thesis Writing Workshop (China dissertations)**

Catalog Number: 7300

James L. Watson 2172 (on leave 2009-10) and members of the department

Half course (spring term). .

Applied Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the School of Engineering and Applied Sciences Offering Instruction in Applied Mathematics

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics

William H. Bossert, David B. Arnold, Jr. Professor of Science

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics (*Director of Undergraduate Studies*)

John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics

Kenneth Norman Kamrin, Lecturer on Applied Mathematics

L. Mahadevan, Lola England de Valpine Professor of Applied Mathematics and of Organismic and Evolutionary Biology

Shreyas Mandre, Lecturer on Applied Mathematics

Scott A. Norris, Lecturer on Applied Mathematics

Vahid Tarokh, Perkins Professor of Applied Mathematics and Vinton Hayes Senior Research Fellow of Electrical Engineering

Salil P. Vadhan, Vicky Joseph Professor of Computer Science and Applied Mathematics



Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics

Other Faculty Offering Instruction in Applied Mathematics

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

Yiling Chen, Assistant Professor of Computer Science

Marie D. Dahleh, Senior Lecturer on Engineering Sciences

Evelyn Hu, Gordon McKay Professor of Applied Physics and of Electrical Engineering

Navin Khaneja, Gordon McKay Professor of Electrical Engineering

Zhiming Kuang, Assistant Professor of Climate Science

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics

Patrick J. Wolfe, Associate Professor of Electrical Engineering on the Gordon McKay

Endowment

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

For information concerning the concentration in Applied Mathematics, please consult the Director of Undergraduate Studies or the Academic Office, School of Engineering and Applied Sciences, Pierce Hall 110. Many additional courses of interest to applied mathematicians can be found in the Computer Science, Engineering Sciences, Mathematics, and Statistics sections of the catalog.

Primarily for Undergraduates

[Applied Mathematics 21a. Mathematical Methods in the Sciences](#)

Catalog Number: 6395

Michael P. Brenner, Evelyn Hu, and L. Mahadevan

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Complex numbers. Multivariate calculus: partial differentiation, directional derivatives, techniques of integration and multiple integration. Vectors: dot and cross products, parameterized curves, line and surface integrals. Vector calculus: gradient, divergence and curl, Green's, Stokes' and Gauss' theorems, including orthogonal curvilinear coordinates. Applications in electrical and mechanical engineering.

Note: May not be taken for credit by students who have passed Mathematics 21a. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent.



Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Vahid Tarokh

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Linear algebra: matrices, determinants, eigenvalues, eigenvectors, Markov processes.

Optimization and least-squares analysis. Ordinary differential equations. Infinite series and Fourier series. Orthogonality and completeness. Introduction to partial differential equations. Applications in electrical and mechanical engineering.

Note: May not be taken for credit by students who have passed Mathematics 21b. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Applied Mathematics 21a or equivalent.

Applied Mathematics 50 (formerly Applied Mathematics 50hf). Introduction to Applied Mathematics

Catalog Number: 9344

Marie D. Dahleh and Michael P. Brenner

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to the problems and issues of applied mathematics. This will be accomplished both through the reading of papers that use mathematical arguments to have substantial impact on some field of human activity, as well as guest lecturers from around Harvard to discuss how mathematics is used in their field.

***Applied Mathematics 91r. Supervised Reading and Research**

Catalog Number: 7607

Michael P. Brenner and Marie D. Dahleh

Half course (fall term; repeated spring term). Hours to be arranged.

An individual project of guided reading and research culminating in a substantial paper or other piece of work which can be meaningfully evaluated to assign a letter grade; may not be taken on a PA/FL basis. Students engaged in preparation of a senior thesis ordinarily should take Applied Mathematics 99r instead.

Note: May be taken as a half course in either term; normally may not be taken for more than two terms. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance. Applications must be signed by the student, by the faculty member supervising the project (who will recommend the grade), and by the Director of Undergraduate Studies, who will sign the student's study card once the project and its method of evaluation have been approved.

***Applied Mathematics 99r. Thesis Research**

Catalog Number: 4648

Michael P. Brenner and Marie D. Dahleh

Half course (fall term; repeated spring term). Hours to be arranged.

Provides an opportunity for students to engage in preparatory research and the writing of a senior thesis. Graded on a SAT/UNS basis as recommended by the thesis supervisor. The thesis is evaluated by the supervisor and by two additional readers.

Note: May be taken as a half course in either term; normally may not be taken for more than two



terms. The Director of Undergraduate Studies will sign the student's study card once a faculty member has agreed in writing to supervise preparation of the thesis, and reaffirmed this agreement if the course is to be repeated. Applications may be obtained at Pierce Hall 110. Students should consult their advisers and concentration literature for further information and guidance.

For Undergraduates and Graduates

Applied Mathematics 101. Statistical Inference for Scientists and Engineers

Catalog Number: 3350

Patrick J. Wolfe

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introductory statistical methods for students in the applied sciences and engineering. Random variables and probability distributions; the concept of random sampling, including random samples, statistics, and sampling distributions; the Central Limit Theorem and its role in statistical inference; parameter estimation, including point estimation and maximum likelihood methods; confidence intervals; hypothesis testing; simple linear regression; and multiple linear regression. Introduction to more advanced techniques as time permits.

Note: May not be taken in addition to Engineering Sciences 101. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Applied Mathematics 105a. Complex and Fourier Analysis

Catalog Number: 7732

L. Mahadevan and Kenneth Norman Kamrin

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Complex Analysis: complex numbers, functions, mapping, differentiation, integration, branch cuts, series expansions, residue theory. Fourier Analysis: Fourier series, Fourier and Laplace transforms, applications to differential equations and data analysis.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

Applied Mathematics 105b. Ordinary and Partial Differential Equations

Catalog Number: 6316

Eli Tziperman and Scott A. Norris

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Ordinary differential equations: power series solutions; special functions; eigenfunction expansions. Algebra and calculus of vectors, dyadics, and tensors. Elementary partial differential equations: separation of variables and series solutions; similarity solutions; comparison of elliptic, parabolic and hyperbolic systems. Asymptotics.

Note: Applied Mathematics 105a and 105b are independent courses, and may be taken in any order.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b.

**Applied Mathematics 106. Applied Algebra and Combinatorics**

Catalog Number: 3871

*Salil P. Vadhan**Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8*

Introduction to abstract algebra and its applications. Sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields, polynomials, encryption, computer coding, application of modular arithmetic, combinatorial designs, lattices, application of trellis representation of lattices, fast algorithms.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b

Applied Mathematics 107. Graph Theory and Combinatorics

Catalog Number: 6411

*Leslie G. Valiant**Half course (spring term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13*

Topics in combinatorial mathematics that find frequent application in computer science, engineering, and general applied mathematics. Specific topics taken from graph theory, enumeration techniques, optimization theory, combinatorial algorithms, and discrete probability.

Applied Mathematics 111. Introduction to Scientific Computing

Catalog Number: 7000

*Zhiming Kuang**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

Many complex physical problems defy simple analytical solutions or even accurate analytical approximations. Scientific computing can address certain of these problems successfully, providing unique insight. This course introduces some of the widely used techniques in scientific computing through examples chosen from physics, chemistry, and biology. The purpose of the course is to introduce methods that are useful in applications and research and to give the students hands-on experience with these methods.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b, or permission of instructor.

Applied Mathematics 115. Mathematical Modeling

Catalog Number: 1768

*William H. Bossert (fall term) and John W. Hutchinson (spring term)**Half course (fall term; repeated spring term). Fall: M., W., 1–2:30; Spring: Tu., Th., 11:30–1. EXAM GROUP: Fall: 6, 7; Spring: 13, 14*

Abstracting the essential components and mechanisms from a natural system to produce a mathematical model, which can be analyzed with a variety of formal mathematical methods, is perhaps the most important, but least understood, task in applied mathematics. This course approaches a number of problems without the prejudice of trying to apply a particular method of solution. Topics drawn from mechanics, biology, economics and the behavioral sciences.

Prerequisite: Mathematics at least at the level of Applied Mathematics 21a,b. Additional skills in analysis, algebra, probability, statistics and computer programming will increase the value of the course to students.



Applied Mathematics 120. Applicable Linear Algebra

Catalog Number: 4378

Donald G. M. Anderson

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An algorithmic approach to topics in matrix theory which arise frequently in applied mathematics: linear equations, pseudoinverses, quadratic forms, eigenvalues and singular values, linear inequalities and optimization, linear differential and difference equations.

Note: Offered in alternate years.

Prerequisite: Applied Mathematics 21b, or Mathematics 21b, or equivalent.

Applied Mathematics 121. Introduction to Optimization: Models and Methods

Catalog Number: 3187 Enrollment: Limited to 40.

Yiling Chen

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to basic mathematical ideas and computational methods for solving deterministic and stochastic optimization problems. Topics covered: linear programming, integer programming, branch-and-bound, branch-and-cut, Markov chains, Markov decision processes, queuing theory. Emphasis on modeling. Examples from business, society, engineering, sports, e-commerce. Exercises in AMPL, complemented by Maple or Matlab.

Note: May not be taken in addition to Engineering Sciences 102.

Prerequisite: Applied Mathematics 21b or Mathematics 21b (linear algebra) and some knowledge of probability and statistics at the level of Statistics 110 or Applied Mathematics 101 or permission of instructor.

[Applied Mathematics 147. Nonlinear Dynamical Systems]

Catalog Number: 7708

Instructor to be determined

Half course (spring term). Hours to be arranged.

An introduction to nonlinear dynamical phenomena, covering the behavior of systems described by ordinary differential equations. Topics include: stability; bifurcations; chaos; routes to chaos and universality; approximations by maps; strange attractors; fractals. Techniques for analyzing nonlinear systems are introduced with applications to physical, chemical, and biological systems such as forced oscillators, chaotic reactions, and population dynamics.

Note: Expected to be given in 2010–11.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Cross-listed Courses

[Earth and Planetary Sciences 100. The Missing Matlab Course: An Introduction to Programming and Data Analysis]

MCB 111. Mathematics in Biology

Primarily for Graduates

Applied Mathematics 201. Physical Mathematics I

Catalog Number: 3241



Michael P. Brenner

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to methods for developing accurate approximate solutions for problems in the physical sciences that cannot be solved exactly. Topics include: complex function theory, approximate solution of integrals, algebraic equations, nonlinear differential equations, and qualitative methods.

Prerequisite: Applied Mathematics 105a, b or equivalent.

Applied Mathematics 202. Physical Mathematics II

Catalog Number: 6559

L. Mahadevan

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Theory and techniques for finding exact and approximate analytical solutions of partial differential equations with numerical evaluation: eigenfunction expansions, Green functions, variational calculus, transform techniques, perturbation methods, characteristics, line asymptotic methods and selected nonlinear PDE's.

Prerequisite: Applied Mathematics 105a and 105b, or equivalent.

[Applied Mathematics 204. Geometrical Methods in the Physical and Engineering Sciences]

Catalog Number: 1763

Jene A. Golovchenko

Half course (spring term). Tu., Th., 11:30–1.

Introduction to geometrical concepts used to model physical phenomena. Coordinate and coordinate-free geometrical objects, fields, flows, calculus on manifolds, metrics, connections, integrability, symmetry and continuous group structures, gauge fields. Applications: mechanics and field theories.

Note: Expected to be given in 2010–11. Undergraduate courses in linear algebra, multivariable calculus, classical/analytical mechanics, and a field theory like electromagnetism, fluid mechanics or quantum mechanics are strongly recommended.

[Applied Mathematics 205. Practical Scientific Computing]

Catalog Number: 1370

Shreyas Mandre

Half course (fall term). Tu., Th., 1–2:30.

Computational methods at a sophisticated analytic level. Practical exercises emphasized. A wide range of topics from linear algebra to Fourier analysis will be covered.

Note: Expected to be given in 2010–11.

Prerequisite: Mathematics at the level of Applied Mathematics 105b. A previous course in computing is not required.

Applied Mathematics 206. Advanced Applied Algebra and Combinatorics

Catalog Number: 6018

Salil P. Vadhan

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Sets, subsets, and partitions; mappings, operations, and equivalence relations; groups, rings, and fields, polynomials, encryption, computer coding, application of modular arithmetic,



combinatorial designs, lattices, application of trellis representation of lattices, fast algorithms; selected readings.

Note: Meets with Applied Mathematics 106. Students enrolled in Applied Mathematics 206 will be assigned additional readings.

[Applied Mathematics 210. Elementary Functional Analysis]

Catalog Number: 2781

Donald G. M. Anderson

Half course (fall term). Tu., Th., 2:30–4.

An introduction to functional analysis and its applications: metric, Banach and Hilbert spaces; linear operators, spectral theory; differentiation and integration.

Note: Expected to be given in 2010–11. Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b; and Applied Mathematics 120 or Mathematics 121, or equivalent.

Applied Mathematics 211. Introduction to Numerical Mathematics

Catalog Number: 1894

Donald G. M. Anderson

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Principles and techniques of numerical analysis, synthesis and computation: interpolation and approximation, numerical quadrature and differentiation, linear and nonlinear equations, optimization, differential and integral equations.

Prerequisite: Applied Mathematics 105a and 105b; Applied Mathematics 111 or 120 would be helpful, but not required.

[Applied Mathematics 212. Numerical Solution of Differential Equations]

Catalog Number: 6127

Donald G. M. Anderson

Half course (spring term). Tu., Th., 10–11:30.

The development, study and implementation of numerical methods for the approximate solution of ordinary and partial differential equation initial and boundary value problems, and related topics.

Note: Expected to be given in 2010–11. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful, but not required.

Applied Mathematics 213. Topics in Numerical Mathematics

Catalog Number: 1048

Donald G. M. Anderson

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analytical and numerical methods for the approximate solution of integral equations.

Note: Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful, but not required.



[Applied Mathematics 298r. Special Topics in Applied Mathematics: Self Assembly]

Catalog Number: 3882

Michael P. Brenner

Half course (spring term). M., W., 2:30–4.

This course will study the theoretical and mathematical basis for self assembly, focusing on what is required to make engineering-based self assembly a reality. Three parts: foundations, engineering solutions, and biological assembly.

Note: Expected to be given in 2010–11.

Prerequisite: Undergraduate statistical mechanics or permission of the instructor.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

Michael P. Brenner (spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable applied mathematics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-listed Courses

***Computer Science 365. SEAS Teaching Practicum**

Catalog Number: 8195

John G. Morrisett 4853

Half course (spring term). Tu., 3–5.

Gain effective skills for teaching applied sciences. Topics: presentation and communication, lesson planning, classroom practice, office hours and 1-on-1 interactions, feedback, assessment, and working with course staff. Seminar style with an emphasis on observation, practice, feedback, discussion, and reflection.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics: Analysis, Synthesis and Computation**

Catalog Number: 7333,6118

Donald G. M. Anderson 1061

***Applied Mathematics 315,316. Stochastic Processes, Dynamical Systems, Applied Differential Geometry**

Catalog Number: 2458,2459

Roger W. Brockett 3001



***Applied Mathematics 317,318. Special Topics in Physical Mathematics**

Catalog Number: 9160,2166

Michael P. Brenner 4101

***Applied Mathematics 319,320. Topics in Macroscopic Physics and Quantitative Biology**

Catalog Number: 2084,4567

L. Mahadevan 4758

***Applied Mathematics 321,322. Biological Applications of Mathematics and Automatic Computers**

Catalog Number: 7615,4243

William H. Bossert 1049

***Applied Mathematics 331,332. Theoretical Mechanics in the Earth and Engineering Sciences**

Catalog Number: 0112,0251

James R. Rice 7270

***Applied Mathematics 341,342. Applied Probability and Statistical Inference, Classical and Quantum Information Theory**

Catalog Number: 0970,6033

Navin Khaneja 4192

Applied Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the School of Engineering and Applied Sciences Offering Instruction in Applied Physics

Joanna Aizenberg, Gordon McKay Professor of Materials Science (*on leave fall term*)

Michael J. Aziz, Gene and Tracy Sykes Professor of Materials and Energy Technologies

David C. Bell, Lecturer on Applied Physics

Katia Bertoldi, Assistant Professor of Applied Mechanics

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics

Federico Capasso, Robert L. Wallace Professor of Applied Physics and Vinton Hayes Senior Research Fellow in Electrical Engineering (*on leave fall term*)

David R. Clarke, Gordon McKay Professor of Applied Physics

Philippe Cluzel, Professor of Molecular and Cellular Biology and Gordon McKay Professor of Applied Physics



Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science
Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics (*on leave fall term*)
Fawwaz Habbal, Senior Lecturer on Applied Physics
Donhee Ham, Gordon McKay Professor of Electrical Engineering and Applied Physics (*on leave spring term*)
Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics
Evelyn Hu, Gordon McKay Professor of Applied Physics and of Electrical Engineering
Efthimios Kaxiras, John Hasbrouck Van Vleck Professor of Pure and Applied Physics (*on leave 2009-10*)
Vinothan N. Manoharan, Assistant Professor of Chemical Engineering and of Physics, Associate Professor of Chemical Engineering and of Physics
Eric Mazur, Balkanski Professor of Physics and Applied Physics
Ian D. Morrison, Lecturer on Applied Physics
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics
Daniel Joseph Needleman, Assistant Professor of Applied Physics
David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics (*on leave fall term*)
Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
Shriram Ramanathan, Assistant Professor of Materials Science on the Gordon McKay Endowment
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
Frans A. Spaepen, John C. and Helen F. Franklin Professor of Applied Physics
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy
Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics
Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics

Other Faculty Offering Instruction in Applied Physics

Kenneth B. Crozier, John L. Loeb Associate Professor of the Natural Sciences
Zhiming Kuang, Assistant Professor of Climate Science
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Paul C. Martin, John Hasbrouck Van Vleck Professor of Pure and Applied Physics, Emeritus
Sharad Ramanathan, Assistant Professor of Molecular and Cellular Biology
Subir Sachdev, Professor of Physics (*on leave spring term*)
Amir Yacoby, Professor of Physics

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Engineering and Applied Sciences faculty also



offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

For Undergraduates and Graduates

[Applied Physics 195. Introduction to Solid State Physics]

Catalog Number: 1842

Instructor to be determined

Half course (fall term). Hours to be arranged.

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, superconductivity.

Note: Expected to be given in 2010–11. Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. Students may wish to take Physics 195, whose content is very similar, when this course is bracketed.

Cross-Listed Courses

[Applied Mathematics 147. Nonlinear Dynamical Systems]

[Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate](#)
[Physics 129. Energy Science - \(New Course\)](#)

Primarily for Graduates

Additional courses of interest to graduate students in Applied Physics include: Applied Mathematics 203, Engineering Sciences 220, 225r, 240, 241, 242r, 246, 247, and 274.

[Applied Physics 216. Modern Optics and Quantum Electronics]

Catalog Number: 4691

Instructor to be determined

Half course (spring term). Hours to be arranged.

Optical systems and lasers have recently revolutionized both technology and basic research. We cover the fundamental physics, and topics include Fourier optics, optical cavities and lasers.

Non-linear optics. Optics with nanostructures. Optics for bio-molecule studies.

Note: Expected to be given in 2010–11.

Prerequisite: A class in electromagnetism/electrodynamics.

[Applied Physics 217. Applications of Modern Optics](#)

Catalog Number: 6965

Lene V. Hau

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Optical systems and lasers have recently revolutionized both technology and basic research. We cover the fundamental physics of light-matter interactions, Fourier optics, quantization (photons), nano-optics, laser cooling, optics in biology: single-molecule studies, Raman spectroscopy.

Prerequisite: An undergraduate course in electromagnetism and quantum mechanics.

Applied Physics 218. Electrical, Optical, and Magnetic Properties of Materials

Catalog Number: 9804

Shriram Ramanathan

Half course (spring term). M., W., 3:30–5. EXAM GROUP: 8, 9

Classical and quantum description of electrical, optical and magnetic properties, and their fundamental physical origins; experimental techniques. Properties of compositionally complex materials such as ceramics. Structure-property relations. Applications in semiconductor, information storage, energy industries.

Prerequisite: Introductory solid-state physics or equivalent course.

Applied Physics 225. Introduction to Soft Matter

Catalog Number: 5298

Ian D. Morrison

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to soft condensed matter, or “complex fluids,” including polymers, colloids, liquid crystals, and biological structures. Emphasis on physical principles that govern bulk behavior. Students will understand the concepts, experimental techniques, and open questions.

Prerequisite: Knowledge of thermodynamics with basic statistical mechanics and some familiarity with Fourier transforms and differential equations.

[Applied Physics 226. Introduction to Soft Matter - Capillarity and Wetting]

Catalog Number: 5796

Instructor to be determined

Half course (spring term). Hours to be arranged.

Consider phenomena strongly influenced by surface tensions, high curvatures, thin films, diffusion, adsorption, wetting, which are variously mobile, dynamic, polymeric, transient, fragile. Emphasis on the physics, thermodynamics, rheological and scaling laws that govern bulk behavior.

Note: Expected to be given in 2010–11.

Prerequisite: Knowledge of thermodynamics and basic statistical mechanics and some familiarity with phase diagrams and differential equations.

Applied Physics 235. Chemistry in Materials Science and Engineering

Catalog Number: 5081

Joanna Aizenberg

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

Select topics in materials chemistry, focusing on chemical bonds, crystal chemistry, organic and polymeric materials, hybrid materials, surfaces and interfaces, self-assembly, electrochemistry, biomaterials, and bio-inspired materials synthesis.

Prerequisite: Introductory thermodynamics, chemistry or equivalent.



Applied Physics 282. Solids: Structure and Defects

Catalog Number: 5737

Frans A. Spaepen

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Bonding, crystallography, diffraction, phase diagrams, microstructure, point defects, dislocations, grain boundaries.

Note: Intended for students in applied mechanics, materials science, condensed matter physics, and chemistry.

Applied Physics 284. Statistical Thermodynamics

Catalog Number: 2257

Amir Yacoby

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; Bose-Einstein condensation.

Note: Students may wish to take Physics 262 when this course is bracketed.

Prerequisite: Ordinarily, Physics 143a,b and Physics 181 or Engineering Sciences 181.

Applied Physics 291. Electron Microscopy Laboratory

Catalog Number: 1761 Enrollment: Limited to 15.

David C. Bell

Half course (spring term). M., 2-3:30, and a 3-hour laboratory session to be arranged. EXAM GROUP: 7, 8

Lectures and laboratory instruction on transmission electron microscopy (TEM), aberration-correction and microanalysis. Students perform experiments with the TEM including; diffraction, dark field imaging, X-ray spectroscopy, atomic imaging, materials sample preparation, polymers and biological samples.

Note: Primarily for graduate students planning to use materials analysis in their research.

[Applied Physics 292. Kinetics of Condensed Phase Processes]

Catalog Number: 3733

Instructor to be determined

Half course (spring term). M., W., 10-12, and occasional laboratory to be arranged.

Kinetic principles underlying atomic motions, transformations, and other atomic transport processes in condensed phases. Application to atomic diffusion, continuous phase transformations, nucleation, growth, coarsening, and other kinetic phenomena in bulk, thin film, and surface states.

Note: Expected to be given in 2010–11.

Prerequisite: An undergraduate-level course in thermodynamics.

Applied Physics 293. Deformation of Solids

Catalog Number: 6796

David R. Clarke

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11



Phenomenology and theory of the mechanisms by which solids can deform, including elastic deformation, microscopic dislocation glide and the kinetics of slip, dislocation and diffusional creep; deformation mechanism maps; fracture.

Prerequisite: Knowledge of thermodynamics and elements of crystal structure.

***Applied Physics 294hfr. Materials Science Seminar**

Catalog Number: 4924

Michael J. Aziz

Half course (throughout the year). Fall: Th., at 12; Spring: Th., at 1. EXAM GROUP: Fall: 14; Spring: 15

Special topics in materials science.

Prerequisite: See instructor.

Applied Physics 295a. Introduction to Quantum Theory of Solids

Catalog Number: 6937

Evelyn Hu

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Properties of solids, electrical, optical, thermal, magnetic, mechanical, are treated based on an atomic scale picture and using the single electron approximation. Metals, semiconductors, and insulators are covered, including special topics such as superconductivity.

Prerequisite: Applied Physics 195 or equivalent, and one full quantum mechanics graduate level course similar to Physics 251a. Physics 251b may be taken concurrently.

Applied Physics 295b. Quantum Theory of Solids

Catalog Number: 3610

Subir Sachdev

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theoretical description of solids focusing on the effects of interactions between electrons, including dielectric response, magnetism, and superconductivity. Also, subjects from the physics of strongly correlated systems, such as quantum antiferromagnetism and high temperature superconductors.

Prerequisite: Applied Physics 295a, Physics 251a and 251b, or permission of instructor.

Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar

Catalog Number: 7500

David A. Weitz and members of the Faculty

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

Materials-related topics chosen from: Structure and Self-Assembly; Mechanical Properties; Surfaces and Interfaces; Biomaterials; Synthesis and Fabrication; Characterization Techniques; Soft Materials, Complex Fluids.

Note: The class will be divided into teams and each team will spend 4 weeks investigating a current research problem posed by a faculty member. This will entail reading and lab work and will be followed by a presentation to the full class. Each team will work on 3 problems through the term. Suitable for graduate students with undergraduate concentrations in chemistry, engineering, or physics having present or potential research interests in this field. The course will provide an introduction to current research problems as well as the methodology of research and



presentation. A final paper based on one theme will also be required. Taught by faculty from Chemistry, Physics, and the School of Engineering and Applied Sciences who are associated with Harvard's Materials Research Science and Engineering Laboratory.

Applied Physics 299r. Special Topics in Applied Physics

Catalog Number: 2103

Michael J. Aziz

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable applied physics problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-Listed Courses

***Computer Science 365. SEAS Teaching Practicum**

Physics 232 (formerly Physics 232a). Advanced Classical Electromagnetism

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Applied Physics 301,302. Ultrafast Electronic Devices**

Catalog Number: 6859,6068

Donhee Ham 4519 (on leave spring term)

***Applied Physics 303,304. Materials Science of Biological Inorganic Nanostructures**

Catalog Number: 3564,9306

Joanna Aizenberg 5876 (on leave fall term)

***Applied Physics 321,322. Materials Physics and Engineering - (New Course)**

Catalog Number: 24677,91306

David R. Clarke 6684

***Applied Physics 323,324. Topics in Materials Science**

Catalog Number: 5947,5970

Shriram Ramanathan 5341

***Applied Physics 325,326. Optics with Cold Atoms, Nano-structures, and Bio-molecules**

Catalog Number: 0488,7669

Lene V. Hau 2151



***Applied Physics 329,330. Heterogeneous Nanophotonic Devices and Bio-templated Electronic Materials - (New Course)**

Catalog Number: 69998,18476

Evelyn Hu 6682

***Applied Physics 331,332. Experimental Condensed Matter Physics**

Catalog Number: 0467,1560

Robert M. Westervelt 6148

***Applied Physics 333,334. Electronic Properties of Nanostructures, Interaction of Biomolecules with Nanostructures, and X-Ray Physics**

Catalog Number: 1033,6126

Jene A. Golovchenko 1986 (on leave fall term)

***Applied Physics 335,336. Theoretical Study of the Structure and Electronic Properties of Nanoscale Materials and Biological Macromolecules**

Catalog Number: 7902,7903

Efthimios Kaxiras 3050 (on leave 2009-10)

***Applied Physics 337,338. Growth and Properties of Nanostructures and Nanostructure Assemblies; Development and Application of New Probe Microscopies; Biophysics**

Catalog Number: 3050,3051

Charles M. Lieber 3102

***Applied Physics 339,340. Topics in Electromagnetic Theory**

Catalog Number: 4258,3127

Tai T. Wu 1051

***Applied Physics 341,342. Nano-Lasers and Single-Photon Sources**

Catalog Number: 1441,0650

Marko Loncar 5703

***Applied Physics 343,344. Topics in Electromagnetic Theory and Molecular Spectroscopy**

Catalog Number: 2695,4213

Patrick Thaddeus 1398

***Applied Physics 347,348. Mechanics in Earth and Environmental Science**

Catalog Number: 4033,3514

James R. Rice 7270

***Applied Physics 351,352. Statistical and Condensed Matter Theory**

Catalog Number: 3992,3993

Paul C. Martin 2103



***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Catalog Number: 4864,9197

Michael P. Brenner 4101

***Applied Physics 357,358. Nanophotonics**

Catalog Number: 3865,5593

Kenneth B. Crozier 5146

***Applied Physics 359,360. Nonlinear Laser Physics and Materials Engineering**

Catalog Number: 5760,3525

Eric Mazur 7952

***Applied Physics 361,362. Photonics, Quantum Devices and Nanostructures**

Catalog Number: 9431,9506

Federico Capasso 4571 (on leave fall term)

***Applied Physics 363,364. Experimental Soft Condensed Matter Physics**

Catalog Number: 8975,7242

David A. Weitz 2497

***Applied Physics 365,366. Experimental Condensed Matter: Ballistic Transport in Semiconductors, Nanostructures, and Tunneling Microscopy**

Catalog Number: 9195,0425

Venkatesh Narayanamurti 5445

***Applied Physics 367,368. Topics on Condensed Matter Physics**

Catalog Number: 6975,4173

David R. Nelson 5066 (on leave fall term)

***Applied Physics 369,370. Experimental Condensed Matter: Synchrotron X-Ray Scattering Studies of Interfacial Phenomena (Liquids and Solid)**

Catalog Number: 2442,7532

Peter S. Pershan 1105

***Applied Physics 371,372. Biological Physics and Quantitative Biology**

Catalog Number: 6003,9040

Daniel Joseph Needleman 6151

***Applied Physics 373,374. Signaling Processing and Systems Biology - (New Course)**

Catalog Number: 59715,74822

Sharad Ramanathan 6015

***Applied Physics 383,384. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 3214,3221

Zhiming Kuang 5285



***Applied Physics 387,388. Climate Dynamics and Physical Oceanography**

Catalog Number: 3549,8599

Eli Tziperman 4748

***Applied Physics 391,392. Experimental Soft Condensed Matter and Materials Physics**

Catalog Number: 1164,5559

Vinothan N. Manoharan 5251

***Applied Physics 393,394. Experimental Studies of Interfaces and Surfaces**

Catalog Number: 1331,5451

Cynthia M. Friend 7446

***Applied Physics 395,396. Topics in Materials Science**

Catalog Number: 4012,5003

Michael J. Aziz 1337

***Applied Physics 397,398. Materials Science**

Catalog Number: 4266,5010

Frans A. Spaepen 4991

Archaeology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Archaeology

Michael McCormick, Francis Goelet Professor of Medieval History (*Chair*)

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology

Ruth Bielfeldt, Assistant Professor of History of Art and Architecture (*on leave 2009-10*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies (*on leave 2009-10*)

Susanne Ebbinghaus, George M.A. Hanfmann Curator of Ancient Art

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave 2009-10*)

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Matthew Joseph Liebmman, Assistant Professor of Anthropology

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages

Richard H. Meadow, Senior Lecturer on Anthropology (*Head Tutor*)



Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity (*Divinity School*)

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology

Jason A. Ur, Associate Professor of Anthropology

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies

The Committee on Archaeology is a multidisciplinary group of scholars appointed to promote the teaching of archaeology at Harvard and advance knowledge of archaeological activity, research, fieldwork, and techniques in the many and varied fields where archaeology is employed as an approach to past cultures and histories around the world. Archaeology can be seen as the study of past human societies through the recovery, analysis, and interpretation of material remains. Those who practice archaeology employ a wide range of methods, techniques, and theoretical orientations drawn from across the spectrum of academic disciplines to further their specific intellectual goals. Likewise, scholars of many disciplines who do not consider themselves to be practicing archaeologists nevertheless use the results of archaeological work in their teaching and research.

The teaching of archaeology at Harvard is centered in four departments (programs thereof): Anthropology (Archaeology), The Classics (Classical Archaeology), History of Art and Architecture, and Near Eastern Languages and Civilizations (Ancient Near Eastern and Biblical Studies), although a number of other departments, as well as the Core Curriculum and General Education, also have courses whose instructors integrate archaeological subject matter into their offerings.

The listing below is a compilation of courses in which the practice of archaeology is taught or the use of archaeological information is integral. The interested student is urged to consult the full listings of the various departments for related courses, relevant undergraduate tutorials, and graduate-level reading courses. The courses listed below are ordinarily acceptable for the Secondary Field in Archaeology with the approval of the Secondary Field Adviser. Additional courses including courses in other departments may also be deemed acceptable. See <http://www.secondaryfields.fas.harvard.edu/Arch/program-desc-arch.htm> for information about the Secondary Field in Archaeology.

General Education

[Culture and Belief 21 \(formerly Foreign Cultures 93\). Pathways through the Andes—Culture, History, and Beliefs in Andean South America](#)
[Societies of the World 30. Moctezuma's Mexico: Then and Now](#)

Core Curriculum

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization](#)
[Science B-29. Evolution of Human Nature](#)
[Science of Living Systems 16. Human Evolution and the Human Body](#)
[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States](#)



Freshman Seminars

[*Freshman Seminar 31s. Heist: The Culture and Politics of Art Theft, Grave Robbery, and Looting](#)

[*Freshman Seminar 44j. The Aztecs and Maya](#)

[*Freshman Seminar 44s. Neanderthals and Human Evolutionary Theory](#)

[*Freshman Seminar 46o. The Evolutionary Significance of Cooking](#)

Anthropology

[*Anthropology 91xr \(formerly Anthropology 91r\). Supervised Reading and Research](#)

[*Anthropology 92xr \(formerly Anthropology 92r\). Research Methods in Museum Collections](#)

[Anthropology 1010. The Fundamentals of Archaeological Methods & Reasoning](#)

[\[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar\]](#)

[Anthropology 1040. Origins of the Food We Eat](#)

[\[Anthropology 1045. Ancient Settlement Systems: Seminar\]](#)

[Anthropology 1060. Archaeological Science](#)

[Anthropology 1065. The Ancient Near East - \(New Course\)](#)

[Anthropology 1080. North American Archaeology: Lost Tribes and Ancient Capitals of North America](#)

[\[Anthropology 1085. Six Great Discoveries in New World Archaeology\]](#)

[Anthropology 1090. Ethnography and Archaeology](#)

[\[Anthropology 1120. Comparative Analysis of Ancient Civilizations\]](#)

[Anthropology 1125. The Moche of Ancient Peru: Politics, Economy, Religion and Art](#)

[Anthropology 1130. Archaeology of Harvard Yard](#)

[Anthropology 1131. Archaeology of Harvard Yard II: Laboratory Methods and Analysis](#)

[\[*Anthropology 1140. Human Modification of the Landscape\]](#)

[Anthropology 1150. Ancient Landscapes](#)

[\[Anthropology 1155. Before Baghdad: Cities of Ancient Mesopotamia\]](#)

[\[Anthropology 1161. Classic Mayan Language, Literature and Society\]](#)

[Anthropology 1165. Digging the Glyphs: Adventures in Decipherment](#)

[\[Anthropology 1174. The Incas\]](#)

[\[Anthropology 1175. The Archaeology of Ethnicity\]](#)

[Anthropology 1177. South American Archaeology](#)

[\[Anthropology 1190. Encountering the Conquistadors\]](#)

[\[Anthropology 1210. The Archaeology of Ancient China\]](#)

[\[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy\]](#)

[\[*Anthropology 2000. Osteoarchaeology Lab\]](#)

[Anthropology 2010ar. Materials in Ancient Societies: Metal](#)

[Anthropology 2010br. Materials in Ancient Societies: Metal](#)

[\[*Anthropology 2020 \(formerly Anthropology 1065\). GIS and Spatial Analysis in Archaeology\]](#)

[\[Anthropology 2065. Complex Societies of Northern Mesopotamia\]](#)

[*Anthropology 2070a. Archaeological Method and Theory: Seminar](#)

[\[Anthropology 2091r. Issues in Chinese Archaeology\]](#)



[Anthropology 2092. Early China: Archaeology and Texts]
[Anthropology 2110r (formerly Anthropology 211r). Issues in Mesoamerican Archaeology: Seminar]
[Anthropology 2175. The Inca Quipu]
[Anthropology 2210. Archaeology and the Ancient Economy]
[Anthropology 2240. Archaeology of Production: Seminar]
[Anthropology 2250a. Proseminar in Archaeology - \(New Course\)](#)
[Anthropology 2250b. Proseminar in Archaeology - \(New Course\)](#)
[Anthropology 2360r (formerly Anthropology 206r). Topics in Paleolithic Archaeology and Paleoanthropology]

Celtic Languages and Literatures

[Celtic 107. Early Irish History](#)

The Classics

[Classical Archaeology 97r. Classical Archaeology](#)
[Classical Archaeology 140. Art of the Ancient Greek Theater - \(New Course\)](#)
[Classical Archaeology 141. Love and Metamorphosis: Storytelling in Roman Art - \(New Course\)](#)
[Classical Archaeology 240. Representing the World: Mapping, Landscape, and Cityscape in Roman Art - \(New Course\)](#)
*Classical Archaeology 351. Classical Archaeology: Proseminar

History

[History 1011. The World of the Roman Empire - \(New Course\)](#)
[History 1040 \(formerly History 1111\). The Fall of the Roman Empire](#)
[History 1050 (formerly History 1101). Medieval Europe]
[History 1700 (formerly History 1904). The History of Sub-Saharan Africa to 1860]

History of Art and Architecture

[History of Art and Architecture 131g. Pergamon: A Hellenistic Royal Residence and its Roman Afterlife]
[History of Art and Architecture 139j. Narrating Life and Death: Myths on Roman Sarcophagi]
[History of Art and Architecture 139x. Art and Life in Pompeii - Proseminar]
[*History of Art and Architecture 140r. Family and Daily Life in Byzantium]
[History of Art and Architecture 141k. Rome, Constantinople, Ravenna in the Light of Imperial Rule]
[History of Art and Architecture 143r (formerly *History of Art and Architecture 143m). The Art of the Court of Constantinople]
[History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec]
[History of Art and Architecture 235g. The Roman House as Enlivened Space]



Human Evolutionary Biology

[Human Evolutionary Biology 1315. Ecology of Modern Hunter Gatherers](#)

[Human Evolutionary Biology 1325. Evolution of Technology](#)

[Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar](#)

[*Human Evolutionary Biology 1580 (formerly *Anthropology 1580). Paleoecology and Human Evolution]

Near Eastern Languages and Civilizations

[Ancient Near East 90. History, Kingship, and the Gods in the Ancient Near East]

[Ancient Near East 100. History of the Ancient Near East:]

[Ancient Near East 102. Introduction to Mesopotamian Religion]

[Ancient Near East 104. Babylon - \(New Course\)](#)

[Ancient Near East 105. History of the Ancient Near East: The Levant (up to Alexander the Great)]

[Ancient Near East 109r. History and Archaeology of the Ancient Near East]

[Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)]

[Ancient Near East 117. Biblical Archaeology](#)

[Ancient Near East 118. Syro-Palestinian Pottery](#)

[*Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar]

The Study of Religion

[Religion 1400. Introduction to the New Testament: History and Interpretation](#)

[Religion 1404. Early Christianity in the Roman Empire]

[Religion 1418. The Apostle Paul: His Letters, His Cities, and His Legacy]

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Sanskrit and Indian Studies

[Indian Studies 219. Introduction to World Mythology]

Asian Studies Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Council on Asian Studies



Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*) (*chair*)
 Ryuichi Abe, Reischauer Institute Professor of Japanese Religions
 Asad A. Ahmed, Assistant Professor of Anthropology (*on leave spring term*)
 William P. Alford, Henry L. Stimson Professor of Law (*Law School*)
 Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)
 Theodore C. Bestor, Professor of Anthropology
 Barry R. Bloom, Joan L. and Julius H. Jacobson Professor of Public Health, and Dean of the Faculty of Public Health (*Public Health*)
 Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations
 Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*on leave 2009-10*)
 Mary C. Brinton, Reischauer Institute Professor of Sociology
 James K. M. Cheng, Librarian of the Harvard-Yenching Library
 Preston Scott Cohen, Gerald M. McCue Professor in Architecture (*Design School*)
 Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society
 Carter J. Eckert, Yoon Se Young Professor of Korean History
 Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History
 Shengli Feng, Professor of the Practice of Chinese Language
 Vanessa Liz Fong, Associate Professor of Education (*Education*)
 Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
 Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
 Andrew Gordon, Lee and Juliet Folger Fund Professor of History
 Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)
 Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society
 Henrietta Harrison, Professor of History
 Ricardo Hausmann, Professor of the Practice of Economic Development (*Kennedy School*)
 Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
 William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
 C.-T. James Huang, Professor of Linguistics
 Wilt L. Idema, Professor of Chinese Literature
 Wesley M. Jacobsen, Professor of the Practice of the Japanese Language and Director of the Japanese Language Program
 Alastair Iain Johnston, Governor James Albert Noe and Linda Noe Laine Professor of China in World Affairs
 Tarun Khanna, Professor of Business Administration (*Business School*)
 Sun Joo Kim, Professor of Korean History
 William C. Kirby, T. M. Chang Professor of China Studies and Spangler Family Professor of Business Administration (FAS), Harvard University Distinguished Service Professor
 Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
 Wai-yee Li, Professor of Chinese Literature
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 David McCann, Korea Foundation Professor of Korean Literature (*on leave fall term*)
 Melissa M. McCormick, Professor of Japanese Art and Culture
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies



Anne E. Monius, Professor of South Asian Religions (*Divinity School*)
 Robert D. Mowry, Alan J. Dworsky Curator of Chinese Art (*Sackler Museum*)
 Stephen Owen, James Bryant Conant University Professor
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 Michael J. Puett, Professor of Chinese History
 J. Mark Ramseyer, Professor of Japanese Legal Studies (*Law School*)
 Michael R. Reich, Taro Takemi Professor of International Health Policy (*Public Health*)
 Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
 Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)
 Mary M. Steedly, Professor of Anthropology
 Michael A. Szonyi, Professor of Chinese History (Head Tutor, East Asian Studies)
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History
 Xiaofei Tian, Professor of Chinese Literature
 Wei-Ming Tu, Harvard Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave fall term*)
 Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies
 David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature
 Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art
 James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave 2009-10*)
 Martin K. Whyte, Professor of Sociology (*on leave fall term*)
 Michael Witzel, Wales Professor of Sanskrit
 Richard K. Wolf, Professor of Music

The Council on Asian Studies was created by resolutions of the Faculty of Arts and Sciences of April 12, 1972, and April 25, 2001. It exists to coordinate, advise, and promote teaching and research on Asia. It is comprised of faculty members from different departments of the FAS and from several schools of the University who study East Asia, Southeast Asia, South Asia, and Inner Asia. It oversees or advises several academic programs mentioned below, and it provides faculty oversight to the Harvard University Asia Center.

The AM program in Regional Studies—East Asia is supervised by the Council and is described below.

The AB Concentration in East Asian Studies is advised and supported by the Council, and is described under East Asian Languages and Civilizations. Courses on East Asian languages, early history, literature, and thought are listed under East Asian Languages and Civilizations.

Programs in South Asian Studies and in Inner Asian and Altaic Studies are advised and supported by the Council and are listed separately in the catalog.

Other courses in Asian Studies are listed under the General Education, Core Curriculum, Anthropology, Economics, Government, History, History of Art and Architecture, Linguistics, Psychology, Sociology, the Study of Religion, and other departments.



The Harvard University Asia Center was created in 1997. Its Steering and Executive Committees are drawn from the Faculty of the Council on Asian Studies. The Center coordinates and supports research, teaching, and public programs on Asia throughout the University. The Center sponsors lectures, seminars, and conferences; supports faculty and student research; publishes books and journals; funds research and travel grants to undergraduate and graduate students; administers Harvard's National Resource Center for East Asian Studies, and manages the competition for Title VI Foreign Language and Area Studies Fellowships for graduate and professional students. The Center publishes a bi-weekly calendar of events during the Academic Year. The Asia Center is located at the Center for Government and International Studies (CGIS), 1730 Cambridge Street, room S113.

Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies–East Asia

Xiaofei Tian, Professor of Chinese Literature (*Chair*)
 Henrietta Harrison, Professor of History
 Sun Joo Kim, Professor of Korean History
 Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
 Yukio Lippit, Harris K. Weston Associate Professor of the Humanities
 Michael A. Szonyi, Professor of Chinese History (Head Tutor, East Asian Studies)
 Karen Thornber, Assistant Professor of Comparative Literature (*on leave 2009-10*)
 Martin K. Whyte, Professor of Sociology (*on leave fall term*)

The program in Regional Studies–East Asia, leading to a Master of Arts degree, is a basic preparation (1) for students who intend to go on to PhD work in an East Asian specialization; and (2) for students who wish to equip themselves for nonacademic work. The program, which normally requires two years for completion, aims to make the student broadly conversant with the societies of the region, and also to give him or her a sound knowledge of one of the languages of the area. Details may be obtained from the Committee's offices at 1730 Cambridge Street, Cambridge, MA, 02138 or 617-495-3777.

Faculty of the Standing Committee on the Degree of Doctor of Philosophy in History and East Asian Languages

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*Chair*)
 Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations
 Carter J. Eckert, Yoon Se Young Professor of Korean History
 Andrew Gordon, Lee and Juliet Folger Fund Professor of History
 Henrietta Harrison, Professor of History
 Sun Joo Kim, Professor of Korean History
 William C. Kirby, T. M. Chang Professor of China Studies and Spangler Family Professor of Business Administration (FAS), Harvard University Distinguished Service Professor
 Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
 Michael J. Puett, Professor of Chinese History
 Michael A. Szonyi, Professor of Chinese History (Head Tutor, East Asian Studies)
 Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History



As of 2006, the Standing Committee on the PhD in History and East Asian Languages is not accepting new applications to the program. Interested students should consult the listing for the Department of East Asian Languages and Civilizations under “Degree in History and East Asian Languages” in the Graduate School of Arts and Sciences Handbook.

Graduate Courses of Reading and Research

***Regional Studies — East Asia 300. Reading and Research**

Catalog Number: 4614

Members of the Committee

Designed to provide students with the opportunity to do reading and research in an approved area of their choice under the direction of a member of the Committee.

Note: Limited to students affiliated with the Regional Studies-East Asia program.

***Regional Studies — East Asia 310. Thesis Development**

Catalog Number: 8453

Members of the Committee

Designed to allow students to develop previous research or a previously written paper into the AM thesis, under the direction of an appropriate faculty advisor.

Note: Limited to students affiliated with the Regional Studies-East Asia program. Counts as course credit, but not towards the basic course requirements for the degree.

Astronomy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Astronomy

James M. Moran, Donald H. Menzel Professor of Astrophysics (*Chair*)

Charles Alcock, Professor of Astronomy

Edo Berger, Assistant Professor of Astronomy

David Charbonneau, Thomas D. Cabot Associate Professor of Astronomy, Professor of Astronomy (*Director of Undergraduate Studies*)

Alexander Dalgarno, Phillips Professor of Astronomy

Douglas Finkbeiner, Assistant Professor of Astronomy and of Physics

Alyssa A. Goodman, Professor of Astronomy

Jonathan E. Grindlay, Paine Professor of Practical Astronomy

Lars Hernquist, Mallinckrodt Professor of Astrophysics

John P. Huchra, Robert O and Holly Thomis Doyle Professor of Cosmology (*Director of*


Graduate Studies)

Robert P. Kirshner, Clowes Professor of Science
 John M. Kovac, Assistant Professor of Astronomy and of Physics
 Julia C. Lee, Associate Professor of Astronomy
 Abraham Loeb, Professor of Astronomy
 Ramesh Narayan, Thomas Dudley Cabot Professor of the Natural Sciences
 Philip M. Sadler, Frances W Wright Senior Lecturer on Celestial Navigation in the Department of Astronomy
 Dimitar D. Sasselov, Professor of Astronomy
 Irwin I. Shapiro, Timken University Professor
 Christopher Stubbs, Harvard College Professor, Professor of Physics and of Astronomy
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy

Other Faculty Offering Instruction in the Department of Astronomy

Raymond Blundell, Lecturer on Astronomy
 Thomas M. Dame, Lecturer on Astronomy
 Rosanne DiStefano, Lecturer on Astronomy
 Martin S. Elvis, Lecturer on Astronomy
 Daniel G. Fabricant, Lecturer on Astronomy
 Giovanni G. Fazio, Lecturer on Astronomy
 Christine Jones Forman, Lecturer on Astronomy
 William Richard Forman, Lecturer on Astronomy
 Lincoln J. Greenhill, Lecturer on Astronomy
 Matthew Holman, Lecturer on Astronomy
 Lisa Kaltenegger, Lecturer on Astronomy
 Justin C. Kasper, Lecturer on Astronomy
 David W. Latham, Lecturer on Astronomy
 Myron Lecar, Lecturer on Astronomy
 Jeffrey E. McClintock, Lecturer on Astronomy
 Patrick O. Slane, Lecturer on Astronomy
 David J. Wilner, Lecturer on Astronomy
 Qizhou Zhang, Lecturer on Astronomy

Astronomy 16 provides an introduction to stellar and planetary astrophysics, and Astronomy 17 provides an introduction to galactic and extragalactic astrophysics. Both courses use single-variable calculus and some introductory mechanics. Together these two courses, which maybe taken in either order, provide a complete introductory survey of astrophysics. Astronomy 16 and 17 form the foundation for both the secondary field and the concentration in astrophysics. Students interested in an introduction to the methods of observational astrophysics are encouraged to consider Astronomy 100, which includes a trip to use the telescopes located at the F. L. Whipple Observatory in Arizona. Astronomy 98 is a research tutorial intended for students pursuing the astrophysics concentration or secondary field, although this course is open in special cases to concentrators in related fields. Students interested in substantial independent research during their senior year should consider Astronomy 99, leading to the senior thesis. Astronomy 110, 120, 130, 150, 151, 191, 192, and 193 each offer the opportunity for study of a



particular field of astrophysics. Each of these courses require preparation in mathematics and physics.

Students interested in an introduction to astronomy that presumes no mathematical preparation above the level of high school algebra should consider Science A-35, A-36, A-54, and Astronomy 2. These courses use a variety of approaches aimed at introducing the key concepts that address some of the great questions of astronomy.

Primarily for Undergraduates

Astronomy 2. Celestial Navigation

Catalog Number: 2179 Enrollment: Limited to 30.

Philip M. Sadler and assistants

Half course (fall term). Tu., 11:30-1:30, and Tu., 7-10 pm. EXAM GROUP: 13, 14, 18

Never be lost again! Find your way on sea, land, or air by employing celestial and terrestrial techniques. Acquire expertise in using navigators' tools (sextant, compass, and charts) while learning the steps to the celestial dance of the sun, moon, stars, and planets. This 107-year-old course continues to rely on practical skills and collaborative problem-solving, while utilizing historical artifacts (instruments, maps, captains' logs) and student-built devices.

Note: Minimal lecturing; predominantly practical laboratory activities with individual attention from teaching staff. Math beyond high school trigonometry and geometry unnecessary. Some familiarity with sailing and/astronomy is helpful.

Astronomy 16. Stellar and Planetary Astronomy

Catalog Number: 8813

David Charbonneau

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course provides an introduction to the physical principles describing the formation and evolution of stars and their planetary companions. Topics include thermal radiation and stellar spectra; telescopes; energy generation in stars; stellar evolution; orbital dynamics; the Solar system; and exoplanets. This course includes an observational component: Students will determine the distance to the Sun, and use the Clay Telescope atop the Science Center to study stellar evolution and detect exoplanets.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Prerequisite: An introductory course in mechanics, which may be taken concurrently, satisfied by Physics 11a, or Physics 15a, or Physics 16.

Astronomy 17. Galactic and Extragalactic Astronomy - (New Course)

Catalog Number: 22304

Julia C. Lee

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

This course provides an introduction to the physical principles describing galaxies and the composition and evolution of the Universe. Topics include the interstellar medium; star clusters; the structure and dynamics of the Milky Way; other galaxies; clusters of galaxies; active galaxies and quasars; cosmology; and the early universe. This course includes an observational



component: In addition to observing galaxies with the Science Center Clay Telescope, students will use the millimeter-wavelength telescope at the Harvard-Smithsonian Center for Astrophysics to determine the mass of the Milky Way.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Prerequisite: An introductory course in mechanics, which may be taken concurrently, satisfied by Physics 11a, or Physics 15a, or Physics 16.

***Astronomy 91r. Supervised Reading and Research**

Catalog Number: 1545

James M. Moran and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading and research in a subject of astrophysics that is not normally included in the regular course offerings of the department.

Note: Students must arrange for course supervision with an individual member of the Department. The course may be counted only once toward the concentration requirements, and may not be taken more than twice.

Prerequisite: Astronomy 16 or Astronomy 17.

***Astronomy 98. Research Tutorial in Astrophysics**

Catalog Number: 3121

David Charbonneau and members of the Department

Half course (spring term). M., 3–4:30, W., 5:30–7:30 p.m. EXAM GROUP: 8, 9

This tutorial introduces students to research at the forefront of astrophysics, and provides opportunities for students to meet with research scientists and individuals active in science policy, education, and journalism. Students meet weekly for a lecture and discussion over dinner with a guest speaker, preceded by a reading and a preparatory seminar. Students will be mentored throughout the term on a research project of their choosing. The Harvard-Smithsonian Center for Astrophysics is home to one of the largest groups of astronomers in the world, providing extensive opportunities for undergraduate research.

Note: Open to students pursuing the concentration or secondary field in astrophysics, and in special cases to concentrators in other physical sciences.

Prerequisite: Astronomy 16 or Astronomy 17.

***Astronomy 99. Senior Thesis in Astrophysics**

Catalog Number: 5413

David Charbonneau and members of the Department

Full course. Hours to be arranged.

For honors candidates in Astrophysics. Individually supervised reading and research leading to the senior thesis. The Harvard-Smithsonian Center for Astrophysics is home to one of the largest groups of astronomers in the world, providing extensive opportunities for undergraduate research.

Prerequisite: Astronomy 98.

Cross-listed Courses



[Science A-35. The Energetic Universe](#)

[Science A-36. Measuring The Universe With Stars](#)

[Science A-54. Life as a Planetary Phenomenon](#)

For Undergraduates and Graduates

[Astronomy 100. Methods of Observational Astronomy - \(New Course\)](#)

Catalog Number: 95134

Edo Berger

Half course (spring term). W., F., 2–4. EXAM GROUP: 7, 8

In this course we will learn the basic tools of modern astronomical research, including telescopes, detectors, imaging, spectroscopy, and common software. Emphasis will be placed on both the theory behind telescopes and their use, and hands-on experience with real data. Using this basic knowledge we will analyze science-level astronomical data from a wide range of telescopes and review the basic properties of stars, galaxies, and other astronomical objects of interest. The course includes a trip to the F. L. Whipple Observatory on Mount Hopkins, Arizona, to gather data with various telescopes.

Note: This course is similar in content to Astronomy 97. Students who have taken Astronomy 97 may not take Astronomy 100 for credit.

Prerequisite: Astronomy 16 or Astronomy 17, either of which may be taken concurrently.

[Astronomy 110. Exoplanets] - (New Course)

Catalog Number: 43612

Members of the Department

Half course (fall term). Hours to be arranged.

A survey of the rapidly-evolving field of the detection and characterization of planets orbiting other stars. Topics includes proto-stellar collapse and star formation; comets, meteorites, and protoplanetary disk structure; models of planet formation; methods of detecting extrasolar planets; composition and physical structure of planets; planetary atmospheres; habitable zones; greenhouse effect; biosignatures.

Note: Offered in alternate years. Expected to be given in 2010–11.

Prerequisite: Astronomy 16.

[Astronomy 120. Stellar Physics] - (New Course)

Catalog Number: 58719

Instructor to be determined

Half course (spring term). Hours to be arranged.

Stars are the basic building blocks of galaxies and are responsible for the nucleosynthesis of most of the elements. Topics include the structure of self-gravitating objects; energy transport in stars; stellar atmospheres; asteroseismology; nuclear fusion in stars; stellar evolution; nucleosynthesis of the elements; the degenerate remnants of stars; black holes. This course will make use of thermodynamics, statistical mechanics, and quantum mechanics, but will review these subjects as necessary. *Note:* Offered in alternate years.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

Prerequisite: Astronomy 16. Physics 15c strongly recommended.

**Astronomy 130. Cosmology - (New Course)**

Catalog Number: 73826

*Douglas Finkbeiner**Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

The physical model describing the initial conditions, evolution, and ultimate fate of the Universe. Topics include cosmic dynamics; the Robertson-Walker Metric; curvature; estimating cosmological parameters; the accelerating universe; dark matter; gravitational lensing; the cosmic microwave background; nucleosynthesis; inflation and the very early universe; formation of structure. Note: Offered in alternate years.

Prerequisite: Astronomy 17 or Physics 15c.**Astronomy 150. Radiative Processes in Astrophysics**

Catalog Number: 8993

*Ramesh Narayan**Half course (fall term). M., W., 1:30–3. EXAM GROUP: 3, 4*

This course offers a survey of radiative processes of astrophysical importance from radio waves to gamma rays. Topics include thermal and non-thermal processes, including bremsstrahlung, synchrotron radiation, and Compton scattering; radiation in plasmas; and atomic and molecular spectra.

Prerequisite: Physics 15c.**Astronomy 151. Astrophysical Fluid Dynamics**

Catalog Number: 3025

*Lars Hernquist**Half course (spring term). M., W., F., at 10.*

Fluid and gas dynamics with applications drawn from astrophysical phenomena. Topics include: kinetic theory, diffusive effects, incompressible fluids, inviscid and viscous flows, boundary layer theory, accretion disks, fluid instabilities, turbulence, convection, gas dynamics, linear (sound) waves, method of characteristics, Riemann invariants, supersonic flow, non-linear waves, shocks, similarity solutions, blast waves, radiative shocks, ionization fronts, magnetohydrodynamics, hydromagnetic shocks, dynamos, gravitational collapse, principles of plasma physics, Landau damping, computational approaches, stability criteria, particle based (Lagrangian) methods, adaptive mesh refinement, radiation hydrodynamics.

Astronomy 191. Astrophysics Laboratory

Catalog Number: 3615 Enrollment: Limited to 16.

*Patrick Thaddeus**Half course (spring term). F., at 2. EXAM GROUP: 7*

Laboratory and observational projects in astrophysics. Students choose two projects from a selection including: observational studies of the cosmic microwave background radiation, molecules in interstellar clouds, the rotation of the galaxy, galactic molecular sources with the submillimeter array (SMA), stars and clusters with the Clay Telescope; and laboratory experiments including superconducting submillimeter detectors, x-ray CCDs, and hard x-ray imaging detectors and telescopes.

Note: Primarily for concentrators in astrophysics or combined concentrators with physics. Students with physics as their primary concentration, but with a serious interest in astrophysics,



may take this to satisfy their laboratory requirement (in lieu of Physics 191) upon petition to the Head Tutor in Physics.

Prerequisite: Astronomy 16 or 17, or Physics 15c or equivalent.

[Astronomy 192. Tools and Techniques of Astronomical Measurements]

Catalog Number: 4741

James M. Moran, Jonathan E. Grindlay, and Christopher Stubbs

Half course (spring term). Tu., Th., 2–3:30.

Presentation of physical principles and techniques used for detection across the frequency domain of both electromagnetic and gravitational radiation. Description and analysis of the corresponding tools used for detection, including telescopes and basic instrumentation, present and (near-term) future. Discussion of different types of measurements—intensity, imaging, spectroscopic, polarimetric, astrometric, and interferometric—throughout the electromagnetic spectrum, including related parameter estimation and error analyses.

Note: Expected to be given in 2010–11.

Prerequisite: Physics 15a, b, c and Applied Mathematics 105 (or equivalents).

[Astronomy 193. Noise and Data Analysis in Astrophysics]

Catalog Number: 4495

James M. Moran

Half course (spring term). Hours to be arranged.

How to design experiments and get the most information from noisy, incomplete, flawed, and biased data sets. Basic of Probability theory; Bernoulli trials; Bayes theorem; random variables; distributions; functions of random variables; moments and characteristic functions; Fourier transform analysis; Stochastic processes; estimation of power spectra: sampling theorem, filtering; fast Fourier transform; spectrum of quantized data sets. Weighted least mean squares analysis and nonlinear parameter estimation. Bootstrap methods. Noise processes in periodic phenomena. Image processing and restoration techniques. The course will emphasize a Bayesian approach to problem solving and the analysis of real data sets.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

Prerequisite: Mathematics 21b or equivalent.

Cross-listed Courses

[Applied Mathematics 111. Introduction to Scientific Computing](#)

[Earth and Planetary Sciences 121. Terrestrial Planets](#)

[*Physics 191r. Advanced Laboratory](#)

Primarily for Graduates

These courses are primarily aimed at graduate students in astronomy, although properly prepared undergraduates and graduate students from other fields are welcome. The required graduate core courses are Astronomy 150, 201a and b, and 202a and b, while a wide range of advanced courses is available for further work. Courses may be available as reading courses at times other than those shown, by arrangement with the instructor. Graduate students in Astronomy are required to take one graduate physics course selected from Physics 210 or 251a (or Astronomy 251). More



advanced physics courses may be substituted upon petition to the Committee on Academic Studies.

[Astronomy 200hf. Seminar in Modern Astrophysics and Cosmology]

Catalog Number: 8574

Instructor to be determined

Half course (throughout the year). Hours to be arranged.

Graduate seminar on topical areas in modern astrophysics and cosmology. Each term a different topic of current special interest is selected. Participants in this seminar discuss papers given by seminar members (in rotation). Several faculty members also participate.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11. Participation for two terms is required to obtain credit.

[Astronomy 201a. Stellar and Planetary Astrophysics]

Catalog Number: 4303

Instructor to be determined

Half course (fall term). Hours to be arranged.

Stars are studied as the elementary baryonic building blocks of the Universe, and the main source of the evolution of baryonic matter (nucleosynthesis). Planetary systems are studied in terms of the stellar environments for their formation and survival.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

Prerequisite: Astronomy 150 (may be taken concurrently).

[Astronomy 201b. Interstellar Medium and Star Formation]

Catalog Number: 4206

Instructor to be determined

Half course (spring term). Hours to be arranged.

Nature of the Interstellar Medium (ISM): composition, energetics, densities and interactions; observations and theory. Processes leading to the formation of stars and planets, as well as studies of the feedback on the ISM from stellar deaths.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

[Astronomy 202a. Galaxies and Dynamics](#)

Catalog Number: 8237

John P. Huchra

Half course (fall term). M., W., at 10.

An overview of extragalactic astronomy. Galaxy formation, evolution and properties, galactic dynamics, clustering, gas dynamics, star formation and other topics at the frontiers of extragalactic astronomy.

Note: Expected to be omitted in 2008–09.

[Astronomy 202b. Cosmology](#)

Catalog Number: 2446

Abraham Loeb

Half course (spring term). Tu., Th., 9:30–11. EXAM GROUP: 11, 12

The cosmological principle: isotropy and homogeneity, cosmological world models, thermal



history of the Big Bang, the microwave background, inflation, growth of density fluctuations, large scale structure and other topics at the frontiers of cosmology.

Astronomy 218. Radio Astronomy

Catalog Number: 2883

James M. Moran

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Historical development; diffraction theory of antennas and interferometers; signal detection and measurement techniques. Thermal, synchrotron and spectral-line emission in the context of radio observations of the sun, planets, pulsars, masers, hydrogen clouds, molecular clouds, ionized regions, active galaxies, quasars, and the cosmic background. Observational projects carried out with the Submillimeter Array and Haystack Observatory.

Prerequisite: Astronomy 150 or Physics 153 recommended.

[Astronomy 219. High Energy Astrophysics]

Catalog Number: 1858

Jonathan E. Grindlay and Ramesh Narayan

Half course (spring term). Hours to be arranged.

Discussion of relativistic and high-energy astrophysical phenomena and observational techniques. Accretion onto compact stars (white dwarfs, neutron stars, black holes); active galactic nuclei, galaxy clusters. Gamma-ray bursts and cosmic rays. X-ray and gamma-ray background.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

[*Astronomy 224. Solar System Dynamics]

Catalog Number: 8374

Matthew Holman

Half course (spring term). W., F., 12:30–2.

Introduction to techniques of modern solar system dynamics, applied to our own solar system as well as to extra solar planetary systems. Research component focuses on applications of solar system dynamics to data from Pan-STARRS-1.

Note: Expected to be given in 2010–11.

Prerequisite: Introductory Physics.

[Astronomy 225. Formation of Stars and Planets]

Catalog Number: 0983

David J. Wilner

Half course (spring term). Hours to be arranged.

Physical properties of interstellar medium, molecular clouds and their cores, young stellar objects in isolation and in clusters, dynamical processes in star formation and circumstellar disk evolution, properties of the primitive solar nebula and solar system development, extrasolar planetary systems.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

[Astronomy 251. Quantum Mechanics for Astrophysics]

Catalog Number: 5381



Lars Hernquist

Half course (fall term). Hours to be arranged.

Quantum mechanics with applications to atomic and molecular processes important in astronomical environments. Atomic and molecular structure; spectroscopy (selection rules, oscillator strengths, photoionization); scattering theory (elastic, inelastic, approximate methods); line broadening; collision processes (cross sections, rate coefficients) involving electrons, ions, atoms, and molecules.

Note: Expected to be omitted in 2009–10. Expected to be given in 2010–11.

Prerequisite: Physics 143a or the equivalent, or permission of instructor.

Astronomy 287. Atomic and Molecular Astrophysics - (New Course)

Catalog Number: 33124

Alexander Dalgarno

Half course (spring term). W., 2–4.

A survey will be presented of the wide range of atomic, molecular and optical processes that occur in plasmas and their role in determining the physics, chemistry and dynamics of astrophysical environments will be discussed.

Cross-listed Courses

[Applied Mathematics 205. Practical Scientific Computing]

Physics 210. General Theory of Relativity

Physics 251a. Advanced Quantum Mechanics I

Graduate Courses of Reading and Research

Unless otherwise specified, these courses are given fall term, repeated spring term.

***Astronomy 300. Topics in Modern Astrophysics**

Catalog Number: 7915

Charles Alcock 5194, Edo Berger 6027, Raymond Blundell 2753, David Charbonneau 5225, Alexander Dalgarno 1157, Thomas M. Dame 2755, Rosanne DiStefano 1508, Martin S. Elvis 2530, Daniel G. Fabricant 3711, Daniel C. Fabrycky 6535 (spring term only), Giovanni G. Fazio 1143, Douglas Finkbeiner 5556, Christine Jones Forman 5766, William Richard Forman 6075, Alyssa A. Goodman 3348, Lincoln J. Greenhill 4490, Jonathan E. Grindlay 4593, Lars Hernquist 4250, Matthew Holman 1260, John P. Huchra 6271, Justin C. Kasper 6261, Robert P. Kirshner 1071, David W. Latham 3716, Myron Lecar 1026, Julia C. Lee 5305, Abraham Loeb 3349, Jeffrey E. McClintock 2108, James M. Moran 4090, Ramesh Narayan 2871, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Patrick O. Slane 4838, Christopher Stubbs 4856, Patrick Thaddeus 1398, David J. Wilner 2855, and Qizhou Zhang 4477

A seminar, reading, or research course may be arranged with any of the faculty listed. Students can also arrange to obtain Astronomy 300 credit for reading or research with scientific staff members of the Harvard-Smithsonian Center for Astrophysics; consult Astronomy Department office.

***Astronomy 301hf. Research Forum**

Catalog Number: 5224



Julia C. Lee 5305

Half course (throughout the year). Tu., 4–5:30.

Each week, a speaker (ordinarily faculty in the fall and students in the spring) will describe research in progress. Forum participants will discuss the ongoing work with the presenter, offering both questions and suggestions.

Note: Intended both as an opportunity for substantive discussion, and as training in the clear presentation of scientific ideas. To encourage an informal atmosphere and to facilitate interaction between speaker and audience. No visual aids other than a blackboard and a one-page handout will be allowed (e.g. no PowerPoint).

***Astronomy 302. Scientists Teaching Science**

Catalog Number: 9869

Philip M. Sadler 2231

Half course (spring term). Tu., 2–3:30.

Learn the secrets of lecturing well, leading discussions, connecting to real-world applications, and creating tests in any scientific discipline as we focus on relevant educational research and case studies, plus engage in practical classroom activities.

Note: Open to graduate students in all areas of science and uses activities to draw upon research findings from the life, earth, and physical sciences.

Prerequisite: Experience as an instructor of science or as a teaching fellow.

Cross-listed Courses

***Statistics 310hr. Topics in Astrostatistics**

Biological Sciences in Dental Medicine

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Dental Medicine

Bjørn R. Olsen, Hersey Professor of Cell Biology (*Medical School*) and Professor of Developmental Biology (*Dental School*) (*Chair*)

Malcolm Whitman, Professor of Developmental Biology (*Medical School*) (*Vice Chair*)

Arkhat Abzhanov, Assistant Professor of Organismic and Evolutionary Biology

Roland Elie Baron, Professor of Oral Medicine, Infection, and Immunity (*Dental School*)

Marianna Bei, Assistant Professor of Surgery (*Medical School*)

Patricia A. D'Amore, Professor of Ophthalmology (*Medical School*)

Beate K. M. Lanske, Associate Professor of Oral Biology (*Dental School*)

Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical*)



School)

Richard L. Maas, Professor of Medicine (*Medical School*)

David J. Mooney, Robert P. Pinkas Family Professor of Bioengineering

Matthew L. Warman, Professor of Genetics and Ormandy Professor of Orthopedic Surgery
(*Dental School*)

Hans-Peter Weber, Raymond J. and Elva Pomfret Nagle Professor of Restorative Dentistry and Biomaterials Sciences (*Medical School*)

The Biological Sciences in Dental Medicine (BSDM) Program, leading to the PhD degree combines faculty from the Department of Developmental Biology and other Harvard School of Dental Medicine departments with faculty from basic science departments at Harvard Medical School, and faculty from the Faculty of Arts and Sciences.

This program offers advanced study in the molecular, supramolecular, cellular, and supracellular processes that provide the intellectual basis for dental medicine.

The BSDM program is intended for scholars interested in pursuing a career in basic or patient-oriented science in the areas of skeletal biology, cell biology and development, immunology, or microbiology leading to a PhD degree. Eligible applicants will be individuals with a baccalaureate in sciences (BS), a master degree in sciences, (MS), a doctoral degree in dentistry, (DMD, DDS), or a medical doctoral degree (MD).

Graduate Courses of Reading and Research

***Biological Sciences in Dental Medicine 300. Research with Faculty**

Catalog Number: 9825

Members of the Committee

Biological Sciences in Public Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

The 2009-10 membership of this committee has not yet been finalized. Complete membership information for 2009-10 will be posted as soon as it becomes available.

Faculty of the Subcommittee on the Doctor of Philosophy in Biological Sciences in Public Health



Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*) (*Chair*)
Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*) (*Ex Officio*)
Lester Kobzik, Professor of Pathology (*Public Health*)
Bjørn R. Olsen, Hersey Professor of Cell Biology (*Medical School*) and Professor of Developmental Biology (*Dental School*)
Frank M. Sacks, Professor of Medicine (*Medical School*)
Dyann F. Wirth, Professor of Infectious Diseases (*Public Health*)

The FAS Standing Committee on Higher Degrees in Public Health Sciences has the general responsibility of overseeing the existing PhD degree programs in biological sciences and biostatistics and developing new PhD programs in other important domains of public health.

The committee is composed of representatives from the Faculty of Arts and Sciences, the School of Public Health, and the Medical School. The committee membership is drawn from the biological and numeric sciences to reflect the current PhD programs. As new programs are created in the future, members representing other relevant disciplines will be added to the committee.

The committee works with the Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics to make policy decisions and ensure the continuing strengths of those programs. The committee is also charged with initiating discussion of and planning for additional PhD programs.

The Subcommittee on the Degree of Doctor of Philosophy in Biological Sciences in Public Health (with membership from the Faculty of Arts and Sciences, the Medical School, and the School of Public Health) and the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics (with membership from the Faculty of Arts and Sciences and the School of Public Health) hold responsibility for oversight of their respective programs, including monitoring requirements and standards for the degree and creating standards for admission.

For more courses of interest, see the School of Public Health catalog.

Primarily for Graduates

***BPH 201r. Laboratory Rotations - (New Course)**

Catalog Number: 32079

Marianne Wessling-Resnick (Public Health)

Half course (fall term; repeated spring term). Hours to be arranged.

Members of the Division of Biological Sciences offer hands-on experimental methods of research in biological sciences. Students write a paper and give an oral presentation regarding their 10-week laboratory project.

Note: Offered jointly with School of Public Health as DBS 300.



***BPH 204. Metabolic Processes Underlying Complex Diseases**

Catalog Number: 4367 Enrollment: Limited to 15.

Chih-Hao Lee (Public Health) and Brendan D. Manning (Public Health)

Half course (fall term). M., F., 1:30–3:30.

This course will cover mechanisms controlling key cellular and organismal metabolic processes and how deregulation of these processes contribute to complex human diseases, such as cancer and metabolic diseases. Part 1 will focus on cellular metabolic pathways and signaling networks underlying tumorigenesis. Part 2 will emphasize organismal metabolism, inter-tissue communication and the pathophysiology of diabetes, dyslipidemia and atherosclerosis.

Note: Limited to students from the Harvard Integrated Life Sciences (HILS) doctoral programs, or other graduate programs with permission from the instructors. Offered jointly with the School of Public Health as GCD 211 and with the Medical School.

Prerequisite: Fim knowledge of basic biochemistry.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

James Preston Butler (Medical School)

Half course (fall term). M., W., 9–10:20. EXAM GROUP: 2, 3

Respiratory measurements are an integral part of public health research. We will critically discuss their scientific bases, noting practical considerations and pitfalls, and their interpretations and inferences about physiological status and disease.

Note: Offered jointly with the School of Public Health as EH 223.

Prerequisite: EH 205 or equivalent, or signature of instructor indicating suitable background required. College-level physiology.

BPH 207. Advanced Topics in Physiology

Catalog Number: 2146

Daniel J. Tschumperlin

Half course (spring term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16, 17

An opportunity for students interested in the respiratory system to focus on special topics in lung biology. This year's emphasis is on the fundamental physical basis and quantitative description of chemical, electrical, and mechanical signaling within the cell. Specific topics covered include passive diffusion, facilitated diffusion, solvent and solvent transport, channels, action potentials, membrane transport, and receptor-ligand binding.

Note: Offered jointly with the Medical School as BPH 727.0 and with the School of Public Health as EH 225.

BPH 208. Human Physiology

Catalog Number: 3627

Stephanie A. Shore (Public Health)

Half course (fall term). M., W., 10:30–12:20. EXAM GROUP: 3, 4, 5

An introduction to the principles governing function in the human body designed to provide a framework in physiology for future public health researchers and professionals who have not taken college level physiology courses. Emphasis on the concept of homeostasis and on integrative aspects of physiology. Examples of pathophysiology and environmental physiology highlight these processes.



Note: Offered jointly with the School of Public Health as EH 205. Required lab.

Prerequisite: College-level introductory biology or permission of the instructor.

BPH 209. Introduction to Computational Genomics for Infectious Disease - (New Course)

Catalog Number: 87097

Dyann F. Wirth (Public Health)

Half course (fall term). Hours to be arranged.

The study of infectious diseases is being revolutionized by the availability of genomic data for many pathogenic organisms. These data include genome sequences and annotation, comparative sequence data and population data, expression data, and metabolic data. For these data to be maximally useful to infectious disease researchers, familiarity with the appropriate analysis, methods and concepts must be acquired. This course will be an introduction to computational genomics methods with selected applications to infectious disease.

Note: Offered jointly with School of Public Health and MIT.

BPH 210. Pathophysiology of Human Disease

Catalog Number: 3078

Lester Kobzik (Public Health)

Half course (spring term). M., F., 1:30–3:20. EXAM GROUP: 6, 7

Surveys major human disease problems in the cardiovascular, respiratory, hematopoietic, reproductive and gastrointestinal systems. Emphasis on understanding the pathophysiologic basis of common disease manifestations and the pathogenesis of the disease process.

Note: Offered jointly with the Medical School as BPH 729.0 and with the School of Public Health as EH 208.

Prerequisite: A college-level human physiology course.

***BPH 212. Cellular and Molecular Biology of Parasites**

Catalog Number: 0703 Enrollment: Limited to 35.

Barbara Burleigh (Public Health) and members of the Department

Half course (spring term). Tu., 3–6. EXAM GROUP: 17, 18

We cover aspects of biochemistry, cell and molecular biology of protozoan parasites of humans, including: malaria, toxoplasma, leishmania, trypanosomes, amoeba and giardia. Includes in-depth discussions on comparative mechanisms of pathogenesis; unique parasite biochemistry and organelles; strategies/ molecular basis for host immune invasion; bioinformatics approaches to molecular pathogenesis.

Note: Given in alternate years. Offered jointly with the Medical School as BPH 721.0 and with the School of Public Health as IMI 216.

Prerequisite: Coursework in biochemistry, genetics, or microbiology.

BPH 215. Principles of Toxicology

Catalog Number: 5366

Robert O. Wright

Half course (fall term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16, 17

Emphasizes mechanisms of injury and clinical consequences following exposures to environmental and occupational chemicals. Examines actions at the molecular, cellular, organ system, and organismal levels. Discusses methods for detecting, evaluating, analyzing, and



combating toxic effects.

Note: Offered jointly with the School of Public Health as EH 504.

Prerequisite: Organic chemistry and mammalian physiology or equivalent.

[*BPH 216. Immunology of Infectious Diseases]

Catalog Number: 6938 Enrollment: Limited to 35.

Samuel M. Behar (Medical School)

Half course (spring term). Tu., 3:30–5:20.

Covers in detail the interactions of pathogens with the host immune system, including innate and protective responses and those immune responses that are deleterious. Topics include: overview of immune responses; response of mucosal-secretory immune system to pathogens; innate immunity “the collectins”; innate immunity “Th2 PAMPs”; pathogen regulation of host immune responses; pathogen evasion of immune effector mechanisms; polarization of CD4+ T helper cell subsets and relationship to disease outcome; resistance to HIV; HIV and co-infection with other pathogens; mechanisms of immunopathogenesis; and development of vaccines. Pathogens covered in detail include: HIV, cholera, TB, staph/strep, toxoplasma, intestinal protozoa, malaria, helminths.

Note: Expected to be given in 2010–11. Given in alternate years. Offered jointly with the Medical School as BPH 724.0 and with the School of Public Health as IMI 208. Each lecture requires reading several relevant papers and completion of a problem set.

Prerequisite: An immunology course.

***BPH 219. Biological Sciences Seminars**

Catalog Number: 1152

Marianne Wessling-Resnick (Public Health)

Half course (fall term). Tu., Th., 9–10:20. EXAM GROUP: 11, 12

Faculty present seminars on their current research in the biological sciences and direct a student discussion of the logic and experimental design of this research. Topics include chemical and viral carcinogenesis, DNA damage and repair, immunology, molecular biology, metabolism, cardiovascular disease, parasitology, and how these areas apply to public health issues.

Note: Required for first-year students in the BPH program. Offered jointly with the School of Public Health as DBS 205.

BPH 222. The Science of Human Nutrition

Catalog Number: 0216

Frank M. Sacks (Medical School, Public Health), Clifford Lo (Medical School, Public Health) and members of the Department

Half course (spring term). Tu., Th., 1:30–3:20. EXAM GROUP: 15, 16

A review of the biochemistry of carbohydrates, fats, proteins, vitamins, and minerals in the context of human disease. Contemporary topics are emphasized. Particular emphasis given to current knowledge of the mechanisms that may explain the role of diet in the causation and/or prevention of ischemic heart disease, diabetes, obesity, hypertension, and cancer. Recommended dietary intakes of selected nutrients are discussed in order to understand their limitations.

Note: Offered jointly with the Medical School as BPH 733.0 and with the School of Public Health as NUT 202.



Prerequisite: Introductory nutrition course. Prior familiarity with nutrition and the health sciences expected, as well as a basic knowledge of biochemistry and human physiology.

Graduate Courses of Reading and Research

***BPH 300. Laboratory Rotations**

Catalog Number: 8441

Marianne Wessling-Resnick (Public Health) 1315

Members of the Division of Biological Sciences offer hands-on experimental methods of research in the biological sciences.

Note: Offered jointly with the School of Public Health as DBS 300.

***BPH 307. Cellular Defenses Against Oxygen Radical Damage**

Catalog Number: 2758

Bruce F. Demple (Public Health) 7853

***BPH 312. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 2736

Marianne Wessling-Resnick (Public Health) 1315

***BPH 315. Molecular Genetic Analysis of Gene Expression and Drug Resistance in Parasitic Protozoan, Including Leishmania and Malaria**

Catalog Number: 2756

Dyann F. Wirth (Public Health) 2492

***BPH 317. Gene-Environment Interactions in Human Lipoprotein Metabolism**

Catalog Number: 2541

Hannia Campos (Public Health) 2710

***BPH 319. Signaling Mechanisms of Peptide Hormones, Genetic and Molecular Basis of Obesity and Diabetes**

Catalog Number: 8425

Gokhan S. Hotamisligil (Public Health) 2725

***BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa**

Catalog Number: 4523

Phyllis J. Kanki (Public Health) 2270

***BPH 323. Human Lipoprotein Metabolism: Biochemistry and Metabolic Modeling**

Catalog Number: 5530

Frank M. Sacks (Medical School) 2276

***BPH 324. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 5915

Raymond L. Erikson 7506



***BPH 325. Assessment of the Impact of Workplace Pollutants on Health**

Catalog Number: 7448

David Christiani (Public Health, Medical School) 1514

***BPH 330. Advanced Topics in Biological Sciences in Public Health**

Catalog Number: 3976

Marianne Wessling-Resnick (Public Health) 1315

A series of discussion and seminars each running for a half term (7-8 weeks).

***BPH 332. Function and Structure of Pulmonary and Hepatic Macrophages**

Catalog Number: 7331

Joseph D. Brain (Public Health) 2520

***BPH 334. Molecular Basis of Host Cell Invasion, Signaling and Differentiation by the Human Pathogen, Trypanosoma Cruzi**

Catalog Number: 2409

Barbara Burleigh (Public Health) 2763

***BPH 336. Study of Human and Primate T-lymphotrophic Retroviruses Including Agents that Cause AIDS**

Catalog Number: 3248

Myron Essex (Public Health) 2499

***BPH 339. Mechanical Basis of Airway and Lung Parenchymal Function**

Catalog Number: 6572

Jeffrey J. Fredberg (Public Health) 1303

***BPH 340. Genetic Regulation of Immune Response**

Catalog Number: 3323

Laurie H. Glimcher (Public Health, Medical School) 1362

***BPH 342. In Vivo Models of Immune Deficiency by Homologous Recombination in ES Cells**

Catalog Number: 2309

Michael Grusby (Public Health, Medical School) 1987

***BPH 343. Molecular Mechanism of Cellular Circadian Regulation**

Catalog Number: 7740

J. Woodland Hastings 1311

***BPH 345. Lung Macrophage Differentiation and Function**

Catalog Number: 1495

Lester Kobzik (Medical School, Public Health) 1313



***BPH 348. Human and Related Primate Retroviruses**

Catalog Number: 3024
Tun-Hou Lee (Public Health) 2769

***BPH 352. Regulation of Acute Inflammatory Responses by Signaling Molecules**

Catalog Number: 5578
Joseph P. Mizgerd (Public Health) 2787

***BPH 353. Human Papillomaviruses (HPV's): the Cause of Hyperplastic Skin-leisions**

Catalog Number: 6469
Karl Münger (Medical School) 1586

***BPH 354. Molecular Studies of Skeletal and Vascular Morphogenesis**

Catalog Number: 8067
Bjørn R. Olsen (Dental School) 1164

***BPH 357. Physiological and Pharmacological Aspects of Bronchoconstriction.**

Catalog Number: 5047
Stephanie A. Shore (Public Health) 1304

***BPH 358. Human Immunodeficiency Virus Envelope Glycoproteins and Vaccine Development**

Catalog Number: 0241
Joseph G. Sodroski (Medical School, Public Health) 1712

***BPH 359. Relations of Dietary Factors to the Occurrence of Human Disease**

Catalog Number: 8215
Walter C. Willett (Public Health, Medical School) 1805

***BPH 363. Inherited Susceptibility to Cancer and other Diseases**

Catalog Number: 9066
David J. Hunter (Public Health) 3844

***BPH 364. Molecular Biology of Bacterial Interactions; Peptide Production and Release; Growth Phase Regulation of Gene Expression**

Catalog Number: 6936
Roberto G. Kolter (Medical School) 7727

***BPH 365. Virulence Factors of Mycobacteria; Acquisition of Virulence Determinants of *Vibrio Cholerae*; Generalized Mutagenesis Systems for Bacteria**

Catalog Number: 5044
Eric J. Rubin (Public Health) 4084

***BPH 366. Theoretical, Statistical, and Experimental Approaches to Population Biology and the Epidemiology of Infectious Diseases**



Catalog Number: 7822
Marc Lipsitch (Public Health) 4097

BPH 368. Host-pathogen Interactions of *Shigella

Catalog Number: 6995
Marcia Goldberg (Medical School) 3783

***BPH 370. Environmental Exposures for Studies in Health Effects, and Investigation of the Relationship Between Environmental Exposure and Internal Dose**

Catalog Number: 5653
Thomas Jay Smith (Public Health) 4337

***BPH 372. Molecular Mechanisms Underlying the Pathogenesis of Human Malaria**

Catalog Number: 2598
Manoj T. Duraisingh (Public Health) 5177

***BPH 374. Nuclear Lipid Receptors as Therapeutic Targets of Metabolic Diseases**

Catalog Number: 3153
Chih-Hao Lee (Public Health) 5294

***BPH 375. Signaling Pathways Underlying Tumorigenesis and Metabolic Diseases**

Catalog Number: 3159
Brendan D. Manning (Public Health) 5293

BPH 376. Secretion and pathogenesis in *M. tuberculosis

Catalog Number: 7620
Sarah Merritt Fortune 5736

***BPH 377. Host-Pathogen Interactions in Malaria Parasites - (New Course)**

Catalog Number: 98913
Matthias Marti 6439

***BPH 378. The Role of Chromatin Structure and Epigenetics in DNA Double-Strand Break Repair - (New Course)**

Catalog Number: 50096
Brendan D. Price 6534

Biophysics



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Biophysics

James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Chair*)
Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology
Stephen C. Blacklow, Professor of Pathology (*Medical School*)
George M. Church, Professor of Genetics (*Medical School*)
Stephen C. Harrison, Giovanni Armenise - Harvard Professor of Basic Biomedical Science, and Professor of Pediatrics (*Medical School*)
David R. Liu, Harvard College Professor, Professor of Chemistry and Chemical Biology
Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
Aravinthan D. T. Samuel, Associate Professor of Physics
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics (*on leave 2009-10*)

Biophysics students should consult course listings from the departments of Life Sciences, Chemistry and Chemical Biology, Physics, Molecular and Cellular Biology, the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Sciences, Engineering Sciences), Systems Biology, and the Division of Medical Sciences.

For Undergraduates and Graduates

[Biophysics 101 \(Genomics and Computational Biology\). Computational Biology](#)

Catalog Number: 6896

George M. Church (Medical School)

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

Integrating knowledge, tools for research in new aspects of bioengineering, personalized medicine, genetically modified organisms, etc. Interplays of biophysical, ecological, economic, and social/ethical modeling will be explored through multi-disciplinary teams of students, and individual brief reports.

Note: Section times will be determined at first class. Offered in alternate years.

[Biophysics 170. Quantitative Genomics](#)

Catalog Number: 3598

Shamil R. Sunyaev (Medical School), Isaac S. Kohane (Medical School), Leonid Mirny and members of the Committee

Half course (fall term). M., W., F., 2:30–4. EXAM GROUP: 7, 8

In-depth study of genomics: models of evolution and population genetics; comparative



genomics: analysis and comparison; structural genomics: protein structure, evolution and interactions; functional genomics, gene expression, structure and dynamics of regulatory networks.

Note: Offered jointly with the Medical School as HT 508.

Cross-listed Courses

[Applied Mathematics 105a. Complex and Fourier Analysis](#)

[Applied Mathematics 105b. Ordinary and Partial Differential Equations](#)

[Applied Mathematics 115. Mathematical Modeling](#)

[\[Applied Mathematics 147. Nonlinear Dynamical Systems\]](#)

[Chemistry 160. Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[*Chemistry 165. Experimental Physical Chemistry](#)

[Engineering Sciences 145. Physiological Systems Analysis](#)

[Engineering Sciences 156. Signals and Systems](#)

[Mathematics 115. Methods of Analysis](#)

[MCB 105. Systems Neuroscience](#)

[MCB 111. Mathematics in Biology](#)

[MCB 115. Cellular Basis of Neuronal Function](#)

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 150. Developmental Genetics and Genomics](#)

[MCB 156. Structural Biology of the Flow of Information in the Cell](#)

[MCB 169. Molecular and Cellular Immunology](#)

[MCB 176. Biochemistry of Membranes](#)

Primarily for Graduates

[Biophysics 204. Structural Biology From Molecules to Cells]

Catalog Number: 1728

Stephen C. Harrison (Medical School)

Half course (spring term). Hours to be arranged.

Imaging of molecules and of molecular localization in cells, including x-ray and electron crystallography, electron microscopy of single molecules, and high-resolution light microscopy. Lectures and student presentations of selected papers from the literature.

Note: Expected to be given in 2010–11.

[Biophysics 205. Computational and Functional Genomics](#)

Catalog Number: 6777 Enrollment: Limited to 20.

Frederick P. Roth (Medical School), Martha L. Bulyk (Medical School), and Shamil R. Sunyaev (Medical School)

Half course (spring term). M., W., 3–4:30. EXAM GROUP: 8, 9

Experimental functional genomics, computational prediction of gene function, and properties and models of complex biological systems. The course will primarily involve critical reading and discussion rather than lectures.



Prerequisite: Molecular Biology (MCB 52 or equivalent), solid understanding of basic probability and statistics.

Biophysics 242r. Special Topics in Biophysics

Catalog Number: 6011

James M. Hogle and Members of the Committee

Half course (spring term). Tu., Th., 2–3:30.

Focuses on new topics in Biophysics emerging from research in faculty laboratories, in each professor's area of special interest; topics which would not normally be available in the established curriculum. Each Biophysics graduate student must take this course at least once during their time as a student in the program, preferably in the first year, but definitely by the end of the second year. This year, the focus will be on exploring advanced imaging techniques.

Note: Weekly lectures with discussion sections.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

Applied Mathematics 202. Physical Mathematics II

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

[BCMP 228. Macromolecular NMR]

Cell Biology 201. Molecular Biology of the Cell

Chemical Biology 2100. Introduction to Chemical Biology I

***Chemistry 242. Quantum Mechanics for Physical Chemistry**

***Chemistry 270. Chemical Biology**

[*Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function]

Genetics 201. Principles of Genetics

[MCB 212. Topics in Biophysics]

[Microbiology 200. Molecular Microbiology and Pathogenesis]

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Neurobiology 200. Introduction to Neurobiology

Neurobiology 204. Neurophysiology of Central Circuits

Neurobiology 221. Molecular Neurobiology

[OEB 242. Population Genetics]

Systems Biology 200. A Systems Approach to Biology

Graduate Courses of Reading and Research

***Biophysics 300. Introduction to Laboratory Research**

Catalog Number: 7509

James M. Hogle (Medical School) 2943 and members of the Committee

Half course (fall term; repeated spring term). M., W., F., at 4:30. EXAM GROUP: Fall: 9

Introductory lectures by associated Biophysics faculty members. Lectures accompanied by three periods of instruction in laboratories of structural biology, cell and membrane biophysics, molecular genetics and development, neurobiology, bioinformatics, and physical biochemistry.



Note: Meets on both the Cambridge and HMS campuses. Contact department for fall course schedule.

***Biophysics 301. Quantitative Proteomics of Cancer Progression**

Catalog Number: 1302

Jarrod Marto (Medical School) 5326

***Biophysics 302. Quantitative Analysis of Regulatory Networks**

Catalog Number: 4405

Erin K. O'Shea 5239 (on leave 2009-10)

***Biophysics 303. NMR Studies of Macromolecular Structure and Function**

Catalog Number: 6135

Gerhard Wagner (Medical School) 2626

***Biophysics 304. Basic Mechanisms of T cell Mediated Autoimmune Diseases**

Catalog Number: 5921

Kai Wucherpfennig (Medical School) 2481

***Biophysics 305. Experimental Atomic Physics, Biophysics, and Soft Matter Physics**

Catalog Number: 8626

Ronald L. Walsworth 2263

***Biophysics 306. Quantitative Models of Cellular Behavior to Investigate Protein Function**

Catalog Number: 4339

Jagesh V. Shah (Medical School) 5248

***Biophysics 307. Dynamics of Network Motifs in Single Living Human Cells**

Catalog Number: 9749

Galit Lahav (Medical School) 5247

***Biophysics 308. System-level Genetic Networks**

Catalog Number: 1036

Roy Kishony (Medical School) 5501

***Biophysics 309. Motile Behavior of Bacteria**

Catalog Number: 2070

Howard C. Berg 1377

***Biophysics 310. Sensory Information in Neuronal Processes**

Catalog Number: 6651

Naoshige Uchida 5745

***Biophysics 311. Digital Computer Applications in Biophysics**

Catalog Number: 7606

William H. Bossert 1049



***Biophysics 312. Multiphoton Microscopy in Imaging Alzheimer's Disease**

Catalog Number: 5860

James M. Hogle (Medical School) 2943, and Brian Bacskai

***Biophysics 313. Neurobiology of Vocal Learning**

Catalog Number: 9094

Bence P. Olveczky 6003

***Biophysics 314. Structure of Viruses and Viral Proteins**

Catalog Number: 0687

James M. Hogle (Medical School) 2943

***Biophysics 315. Structural Molecular Biology**

Catalog Number: 2805

Stephen C. Harrison (Medical School) 3597

***Biophysics 316. Structural Biology of ATP-Dependent Chromatin Remodeling**

Catalog Number: 4680

Andres Leschziner 5928

***Biophysics 317. Biophysical Aspects of the Visual System**

Catalog Number: 4770

John E. Dowling 3545

***Biophysics 318. Mechanisms of Circadian Rhythms, Bioluminescence**

Catalog Number: 4699

J. Woodland Hastings 1311

***Biophysics 319. Analysis of Structure and Function of Nicotinic Acetylcholine Receptors -
(New Course)**

Catalog Number: 36825

Adam E. Cohen 5761

***Biophysics 320. Single Molecule Studies of Cellular Motors - (New Course)**

Catalog Number: 51932

Samara Louise Reck-Peterson (Medical School) 6165

***Biophysics 321. Molecular and Mechanical Analysis of Chromosomes**

Catalog Number: 7297

Nancy Kleckner 4697

***Biophysics 322. Structural Diversification of Very Long-Chain Fatty Acids - (New Course)**

Catalog Number: 67039

Vladimir Denic 6216



***Biophysics 323. Molecular Oncology**

Catalog Number: 8284

Edward E. Harlow (Medical School) 2863

***Biophysics 324. Conformational Changes in Macromolecules - (New Course)**

Catalog Number: 2656

Collin Melveton Stultz 6295

***Biophysics 325. Physics of Macromolecular Assemblies and Subcellular Organization - (New Course)**

Catalog Number: 15517

Daniel Joseph Needleman 6151

***Biophysics 326. Statistical and Continuum Mechanics of Macromolecular Assemblies**

Catalog Number: 82146

L. Mahadevan 4758

***Biophysics 327. Molecular Genetics**

Catalog Number: 4202

Frederick Ausubel (Medical School) 4639

***Biophysics 329. Computational and Functional Genomics**

Catalog Number: 4437

George M. Church (Medical School) 1608

***Biophysics 332. Function of Neuronal Circuits**

Catalog Number: 5444

Markus Meister 3007

***Biophysics 333. Topics in Biophysics and Molecular Biology**

Catalog Number: 0196

Brian Seed (Medical School) 7619

***Biophysics 335. Gene Expression**

Catalog Number: 3602

Thomas Maniatis 7231

***Biophysics 337. Membrane Structure and Function**

Catalog Number: 1800

Keith W. Miller (Medical School) 4124

***Biophysics 338. Redox Signaling and Repair of Oxidative DNA Damage**

Catalog Number: 4755

Bruce F. Demple (Public Health) 7853



***Biophysics 341. Structure and Function of Ligand-Gated Ion Channels**

Catalog Number: 7567

Jonathan B. Cohen (Medical School) 1120

***Biophysics 343. Theoretical Protein Science, Bioinformatics, Computational Chemistry**

Catalog Number: 6947

Eugene I. Shakhnovich 3147

***Biophysics 344. Directed Evolution and Design of Simple Cellular Systems**

Catalog Number: 6277

Jack Szostak (Medical School) 7096

***Biophysics 346. Biofilm Dynamics**

Catalog Number: 5538

Roberto G. Kolter (Medical School) 7727

***Biophysics 347. Membrane Dynamics; Membrane Structure**

Catalog Number: 5516

David E. Golan (Medical School) 1558

***Biophysics 348. Protein Kinases, Reversible Protein Phosphorylation**

Catalog Number: 4964

Raymond L. Erikson 7506

***Biophysics 349. Structural Biochemistry and Cell Biology of Intracellular Membrane Traffic**

Catalog Number: 4487

Tomas Kirchhausen (Medical School) 1155

***Biophysics 351. Signal Transduction**

Catalog Number: 3848

Lewis C. Cantley (Medical School) 1287

***Biophysics 353. Molecular Genetics of Development**

Catalog Number: 5016

Gary B. Ruvkun (Medical School) 1366

***Biophysics 354. Structural Biology and Cancer Drug Discovery**

Catalog Number: 4420

Gregory L. Verdine 1980

***Biophysics 355. Chemical Genetics and Genomics**

Catalog Number: 3035

Stuart L. Schreiber 2166



***Biophysics 361. Rational Drug Design; Biomaterials Science; Biophysics**

Catalog Number: 7080

George M. Whitesides 7447

***Biophysics 362. Molecular Physiology of Ion Channels**

Catalog Number: 3784

Gary I. Yellen (Medical School) 3268

***Biophysics 363. Biophysics of Receptor-Ligand Interactions**

Catalog Number: 8687

Stephen C. Blacklow (Medical School) 1462

***Biophysics 364. Systems Cell Biology**

Catalog Number: 5528

Pamela A. Silver (Medical School) 1595

***Biophysics 365. Visual Processing in Primates**

Catalog Number: 8145

John A. Assad (Medical School) 2985

***Biophysics 366. Imaging, Optics, and Biology**

Catalog Number: 2877

David E. Clapham (Medical School) 2987

***Biophysics 367. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5512

Michael J. Eck (Medical School) 1739

***Biophysics 368. Probing Polymers with Nanospores, Experimental Condensed Matter Physics**

Catalog Number: 1400

Jene A. Golovchenko 1986 (on leave fall term)

***Biophysics 369. Organic Chemistry and Chemical Biology of Molecular Evolution**

Catalog Number: 6337

David R. Liu 2717

***Biophysics 370. Cytoskeleton Dynamics; Mitosis and Cell Locomotion; Small Molecule Inhibitors**

Catalog Number: 8034

Timothy J. Mitchison (Medical School) 3713

***Biophysics 371. Mechanisms of Synaptic Transmission and Plasticity**

Catalog Number: 2326

Venkatesh N. Murthy 2424



***Biophysics 372. Protein Transport Across the ER Membrane**

Catalog Number: 6922

Tom Rapoport (Medical School) 1815

***Biophysics 373. Computational Molecular Biology**

Catalog Number: 5267

Frederick P. Roth (Medical School) 3912

***Biophysics 374. High-Resolution Electron Microscopy**

Catalog Number: 8225

Thomas Walz (Medical School) 3778

***Biophysics 375. Single-Molecule Biophysics**

Catalog Number: 7900

Xiaoliang Sunney Xie 2290

***Biophysics 376. Functional and Computational Genomics Studies of Transcription Factors and Cis Regulatory Elements**

Catalog Number: 2254

Martha L. Bulyk (Medical School) 4259

***Biophysics 377. Statistical Theory and Inference for Stochastic Processes: With Applications to Bioinformatics**

Catalog Number: 4768

Jun S. Liu 3760

***Biophysics 378. Structural and Cellular Biology of Insulin Signal Transduction**

Catalog Number: 4856

Steven E. Shoelson (Medical School) 3951

***Biophysics 379. Theoretical Population Genetics**

Catalog Number: 2274

John R. Wakeley 5680

***Biophysics 380. Microarray Data: Issues and Challenges**

Catalog Number: 4402

James M. Hogle (Medical School) 2943 and Leonid Mirny 5773

***Biophysics 381. Single-Molecule Biophysics**

Catalog Number: 3046

Xiaowei Zhuang 3991 (on leave 2009-10)

***Biophysics 382. Regulation of Synaptic Transmission and Dendritic Function in the Mammalian Brain**

Catalog Number: 6116

Bernardo L. Sabatini (Medical School) 4300



***Biophysics 384. NMR Spectroscopy on Membrane-associated Proteins and Peptides**

Catalog Number: 4531

James J. Chou (Medical School) 4950

***Biophysics 385. Small Molecule Signaling, Biosynthesis, and Drug Discovery**

Catalog Number: 8378

Jon Clardy (Medical School) 4667

***Biophysics 386. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 3012

Florian Engert 4290

***Biophysics 387. Structural Studies of the Stereochemistry of Signaling and Transport through Biological Membranes**

Catalog Number: 6869

Rachelle Gaudet 4413

***Biophysics 388. Structural Studies of Nucleo-Protein Assemblies**

Catalog Number: 1543

David Jeruzalmi 4528

***Biophysics 389. Chemical Biology and Systems Biology**

Catalog Number: 4245

Gavin MacBeath 4347

***Biophysics 390. Regulation of Mitosis**

Catalog Number: 2157

Andrew W. Murray 3765 (on leave 2009-10)

***Biophysics 391. Computational Methods in Genetics, Genomics and Proteomics**

Catalog Number: 7043

Shamil R. Sunyaev (Medical School) 4671

***Biophysics 392. Biophysics of Mechanosensation**

Catalog Number: 2687

David P. Corey (Medical School) 1345

***Biophysics 393. The Mechanics and Regulation of Mitosis**

Catalog Number: 6759

David Pellman (Medical School) 3702

***Biophysics 394. Experimental Biophysics**

Catalog Number: 7138

Mara Prentiss 2741 (on leave fall term)



***Biophysics 395. Biophysics of Cell Adhesion and Vascular Shear Flow**

Catalog Number: 3918

Timothy A. Springer (Medical School) 6145

***Biophysics 396. Behavioral Neuroscience and Neurophysiology**

Catalog Number: 0966

Aravinthan D. T. Samuel 4625

***Biophysics 397. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 2982

Donald E. Ingber 2832

***Biophysics 398. Single-Molecule Novel Fluorescence and Nano-Manipulation Studies of Protein-Protein and Protein-Nucleic Acid Interactions**

Catalog Number: 2547

Antoine van Oijen (Medical School) 5084

***Biophysics 399. Biomolecular Nanotechnology**

Catalog Number: 8294

William Shih (Medical School) 5256

Biostatistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Health Sciences

The 2009-10 membership of this committee has not yet been finalized. Complete membership information for 2009-10 will be posted as soon as it becomes available.

Faculty of the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics

Victor Gerard DeGruttola, Professor of Biostatistics (*Public Health*) (*Chair*)

David J. Hunter, Professor of Epidemiology and Nutrition (*Public Health*) (*Ex Officio*)

Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics

Carl N. Morris, Professor of Statistics

Giovanni Parmigiani, Professor of Biostatistics (*Public Health*)

Primarily for Graduates



Further details about the course descriptions below can be found in their entirety at www.biostat.harvard.edu/courses/course.html

***Biostatistics 230. Probability Theory and Applications I**

Catalog Number: 6183

Armin Schwartzman (Public Health)

Half course (fall term). M., W., 8:30-10:20, and a two-hour lab each week.

Axiomatic foundations of probability, independence, conditional probability, joint distributions, transformations, moment generating functions, characteristic functions, moment inequalities, sampling distributions, modes of convergence and their interrelationships, laws of large numbers, central limit theorem, and stochastic processes.

Note: Offered jointly with the School of Public Health as BIO230.

***Biostatistics 231. Statistical Inference I**

Catalog Number: 8773

Yi Li (Public Health)

Half course (spring term). M., W., 10:30-12:20, and a 90-minute lab each week.

Exponential families, sufficiency, ancillarity, completeness, method of moments, maximum likelihood, unbiased estimation, Rao-Blackwell and Lehmann-Scheffe theorems, information inequality, Neyman-Pearson theory, likelihood ratio, score and Wald tests, uniformly and locally most powerful tests, asymptotic relative efficiency.

Note: Offered jointly with the School of Public Health as BIO231.

Prerequisite: Biostatistics 230 or signature of instructor required.

***Biostatistics 232. Methods I**

Catalog Number: 0131

Donna S. Neuberg (Public Health)

Half course (fall term). M., W., 10:30–12:20.

Introductory course in the analysis of Gaussian and categorical data. The general linear regression model, ANOVA, robust alternatives based on permutations, model building, resampling methods (bootstrap and jackknife), contingency tables, exact methods, logistic regression.

Note: Offered jointly with the School of Public Health as BIO232.

Prerequisite: Signature of instructor required.

***Biostatistics 233. Methods II**

Catalog Number: 7804

Brent Andrew Coull (Public Health)

Half course (spring term). M., W., 8:30-10:20, and a 90-minute lab each week.

Intermediate course in the analysis of Gaussian, categorical, and survival data. The generalized linear model, Poisson regression, random effects and mixed models, comparing survival distributions, proportional hazards regression, splines and smoothing, the generalized additive model.

Note: Offered jointly with the School of Public Health as BIO233.

Prerequisite: Biostatistics 232 or signature of instructor required.



***Biostatistics 235. Regression and Analysis of Variance**

Catalog Number: 7549

Tianxi Cai (Public Health)

Half course (fall term). M., W., 10:30–12:20.

An advanced course in linear models - regression and analysis of variance. Estimation (maximum likelihood and least squares) and inference (confidence intervals, hypothesis testing, analysis of residuals) are presented from a theoretical and data analysis perspective.

Note: Offered jointly with the School of Public Health as BIO235.

Prerequisite: Biostatistics 230 and Biostatistics 232. Background in matrix algebra and linear regression required.

Biostatistics 237. Modern Statistical Computing Environments

Catalog Number: 7940 Enrollment: Enrollment in a biostatistics or related degree program required.

Cheng Li (Public Health)

Half course (fall term). Tu., Th., 3:30–5:20.

Statistical computing environments under windows and Linux systems. Taught in a computing lab, the course consists of lectures, demonstrations and hands-on exercises. Example topics include R, SAS, LaTeX, Python, and online resources.

Note: Offered jointly with the School of Public Health as BIO237.

Biostatistics 238. Principles and Advanced Topics in Clinical Trials

Catalog Number: 9623

Victor Gerard DeGruttola (Public Health) and James H. Ware (Public Health)

Half course (spring term). M., W., 1:30-3:20, and a 90-minute lab each week.

This course focuses on selected advanced topics in design, analysis, and interpretation of clinical trials, including study design; choice of endpoints (including surrogate endpoints); interim analyses and group sequential methods; subgroup analyses; and meta-analyses.

Prerequisite: BIST 230, and BIST 231 (may be taken concurrently) or signature of instructor required.

Biostatistics 244. Analysis of Failure Time Data

Catalog Number: 2140

Judith Lok

Half course (spring term). M., W., 10:30–12:20.

Discusses the theoretical basis of concepts and methodologies associated with survival data and censoring, nonparametric tests, and competing risk models. Much of the theory is developed using counting processes and martingale methods.

Note: Offered jointly with the School of Public Health as BIO244.

Prerequisite: Biostatistics 231 and Biostatistics 233.

Biostatistics 245. Analysis of Multivariate and Longitudinal Data

Catalog Number: 3247

David Wypij (Public Health)

Half course (spring term). Tu., Th., 10:30–12:20.

The multivariate normal distribution, Hotelling's T^2 , MANOVA, repeated measures, the



multivariate linear model, random effects and growth curve models, generalized estimating equations, multivariate categorical outcomes, missing data, computational issues for traditional and new methodologies.

Note: Offered jointly with the School of Public Health as BIO245.

Prerequisite: Biostatistics 231 and Biostatistics 235.

[*Biostatistics 247. Design of Scientific Investigations]

Catalog Number: 3723

Instructor to be determined

Half course (spring term). Tu., Th., 3:30–5:20.

Sample size considerations, basic principles of experimental design (randomization, replication, and balance), block designs, factorial experiments, response surface modeling, optimal design, clinical trials, adaptive, and sequential designs.

Note: Expected to be given in 2010–11. Offered jointly with the School of Public Health as BIO247. Offered in alternate years. Minimum enrollment of 10 students required.

Prerequisite: Biostatistics 235.

[*Biostatistics 248. Advanced Statistical Computing]

Catalog Number: 6420

Instructor to be determined

Half course (fall term). Tu., Th., 10:30–12:20.

Computer arithmetic, matrix algebra, numerical optimization with application to MLEs and GEEs, spline smoothing, numerical integration, random number generation, simulation methods, Gibbs sampling, bootstrap methods, missing data and EM, imputation, and data augmentation algorithms.

Note: Expected to be given in 2010–11. Offered jointly with the School of Public Health as BIO248.

Prerequisite: Students should be proficient with C or Fortran programming. Biostatistics 235 or signature of instructor required.

[*Biostatistics 249. Bayesian Methodology in Biostatistics]

Catalog Number: 0759

Christopher J. Paciorek (Public Health)

Half course (spring term). M., W., 8:30–10:20.

General principles of the Bayesian approach, prior distributions, hierarchical models and modeling techniques, approximate inference, Markov chain Monte Carlo methods, model assessment and comparison. Bayesian approaches to GLMMs, multiple testing, nonparametrics, clinical trials, survival analysis.

Note: Expected to be given in 2010–11. Offered jointly with the School of Public Health as BIO249. Offered in alternate years.

Prerequisite: Biostatistics 231 and Biostatistics 232, or signature of instructor required.

***Biostatistics 250. Probability Theory and Applications II**

Catalog Number: 5076

Robert James Gray (Public Health)

Half course (fall term). M., W., 1:30–3:20.



Basic set theory, measure theory, Riemann-Stieltjes and Lebesgue integration, conditional probability, conditional expectation (projection), martingales, Radon-Nikodym derivative, product measure and Fubini's Theorem, limit theorems on sequences of random variables, stochastic processes, weak convergence.

Note: Offered jointly with the School of Public Health as BIO250.

Prerequisite: Biostatistics 230 and Biostatistics 232, or signature of instructor required.

Biostatistics 251. Statistical Inference II

Catalog Number: 5280

Andrea Gloria Rotnitzky (Public Health)

Half course (spring term). Tu., Th., 1:30–3:20.

Advanced topics in statistical inference. Limit theorems, multivariate delta method, properties of maximum likelihood estimators, saddle point approximations, asymptotic relative efficiency, robust and rank-based procedures, resampling methods, nonparametric curve estimation.

Note: Offered jointly with the School of Public Health as BIO251.

Prerequisite: Biostatistics 231.

[Biostatistics 257. Advanced Statistical Genetics]

Catalog Number: 8359

Instructor to be determined

Half course (spring term). Hours to be arranged.

This survey course, intended for a wide audience, will provide an introduction to analytic techniques for modern genomics and genetics. Topics include genome sequencing, DNA microarrays, proteomics, genetic epidemiology and gene mapping for complex disease.

Note: Expected to be given in 2010–11.

Prerequisite: BIO 231 and BIO 233, or permission of instructor required.

[Biostatistics 274. Stochastic Models in Public Health]

Catalog Number: 7836

Instructor to be determined

Half course (spring term). Hours to be arranged.

The aim of this course is to develop those aspects of stochastic processes that are relevant for modeling important problems in public health. Topics include Markov processes, epidemic models, and inference associated with these models.

Note: Expected to be given in 2010–11. Offered jointly with the School of Public Health as BIO274.

Prerequisite: BIST 230 and BIST 231 required.

Biostatistics 277. Computational Biology

Catalog Number: 1337

Guocheng Yuan (Public Health)

Half course (fall term). M., W., 3:30–5:20.

Introduction to statistical methods for biological problems including microarray analysis, motif finding, CHIP-chip data, and gene regulatory network. Topics include multiple hypothesis testing, clustering and classification, variable selection, hidden Markov models, and Bayesian networks.



Note: Cannot be taken Pass/Fail. Offered jointly with the School of Public Health as BIO277.

Prerequisite: BIO 230 and BIO 231, or permission of instructor required.

[Biostatistics 283. Spatial Statistics for Social Inquiry and Health Research]

Catalog Number: 4101

Instructor to be determined

Half course (spring term). Hours to be arranged.

Introduction to spatial statistics with application to social science and public health research.

Emphasizes methods for the analysis and visualization of three basic types of spatial data: area data, point (geostatistical) data, and point processes.

Note: Expected to be given in 2010–11. Heavy emphasis on real applied problems through case studies, guest lectures, and student projects. Basic GIS skills will be covered in a short module. Required lab or section time will be announced at first meeting. May not be taken for credit if Statistics 155 has already been taken. May not be taken concurrently with Statistics 155. Offered jointly with the School of Public Health as BIO 283.

Prerequisite: Biostatistics 210, or 211, or 213, and Biostatistics 503, or permission of instructor.

[Biostatistics 290. Genomics & Genetics for Health Research]

Catalog Number: 9941

Instructor to be determined

Half course (spring term). Hours to be arranged.

Survey course intended for a wide audience and will provide an introduction to genomics and genetics-inspired techniques and tools for their analysis, including genome sequencing, DNA microarrays, proteomics, and high density genetic screens.

Note: Expected to be given in 2010–11.

Prerequisite: BIO 200, or BIO 201, or BIO 202 and BIO 203, or BIO 206 and one of BIO 207, BIO 208, or BIO 209, and EPI 200 or EPI 201, or signature of instructor required.

Biostatistics 291. Statistical Methods for Causality

Catalog Number: 5654

Andrea Gloria Rotnitzky (Public Health)

Half course (spring term). Tu., Th., 3:30–5:20.

Theory of directed acyclic graph models. Identifiability of causal contrasts. Theory and applications of locally semiparametric efficient doubly-robust estimation in two models for counterfactual variables: marginal structural models and structural nested models.

Prerequisite: BIO 231, or permission of instructor required.

Graduate Courses of Reading and Research

***Biostatistics 350. Research**

Catalog Number: 0406

Members of the Department

For doctoral candidates who have passed their written qualifying examination and who are undertaking advanced work along the lines of fundamental or applied dissertation research in the department.



Business Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Business Studies

The 2009-10 membership of this committee has not yet been finalized. Complete membership information for 2009-10 will be posted as soon as it becomes available.

The Standing Committee on Higher Degrees in Business Studies is a joint committee consisting of members from both the Harvard Business School (HBS) and the Faculty of Arts and Sciences (FAS). The Committee, whose chair had not been determined, is composed of the following subcommittees:

Subcommittee on the Degree of Doctor of Philosophy in Business Economics

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*Chair*) (*on leave 2009-10*)
Mihir A. Desai, Mizuho Financial Group Professor of Finance (*Business School*) (*ex officio*)
Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)
Ariel Pakes, Thomas Professor of Economics (*on leave spring term*)
Alvin E. Roth, George Gund Professor of Economics and Business Administration
David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)
Luis M. Viceira, George F. Bates Professor (*Business School*)
Dennis A. Yao, Professor of Business Administration (*Business School*)

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior

Peter V. Marsden, Harvard College Professor, Edith and Benjamin Geisinger Professor of Sociology (*Chair*)
Mihir A. Desai, Mizuho Financial Group Professor of Finance (*Business School*) (*ex officio*)
Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)
Ranjay Gulati, Jaime and Josefina Chua Tiampo Professor of Business Administration (*Business School*)
J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology
Jeffrey T. Polzer, Associate Professor of Business Administration (*Business School*)
Toby Evan Stuart, Charles Edward Wilson Professor of Business Administration (*Business*)



School)

Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

Subcommittee on the Degree of Doctor of Philosophy in Science, Technology, and Management

Stefan Thomke, William Barclay Harding Professor of Business Administration (*Business School*) (*Co-Chair*)

Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science (*Co-Chair*)

Mihir A. Desai, Mizuho Financial Group Professor of Finance (*Business School*) (*ex officio*)

Carliss Y. Baldwin, William L. White Professor of Business Administration (*Business School*)

Lee Fleming, Albert J. Weatherhead III Professor of Business Administration (*Business School*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics

David C. Parkes, Gordon McKay Professor of Computer Science

Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology

PhD programs in Business Economics, Organizational Behavior, and Information Technology and Management are administered by the Standing Committee on Higher degrees in Business Studies consisting of members from both Harvard Business School (HBS) and the Faculty of Arts and Sciences (FAS). The programs are intended for students who wish to enter careers in scholarship and advanced research.

For the latest Doctoral Program course offerings from the Harvard Business School, please visit www.hbs.edu/doctoral/registrar/course.html.

Celtic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Celtic Languages and Literatures

Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures (*Chair*) (*Director of Graduate Studies, fall term*)

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*Director of Graduate Studies, spring term*) (*on leave spring term*)

William Gillies, Visiting Professor of Celtic Languages and Literatures

Margaret Rose Griffin-Wilson, Lecturer on Celtic Languages and Literatures (*fall term only*)



Gene C. Haley, Lecturer on Celtic Languages and Literatures (*fall term only*)

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Primarily for Undergraduates

***Celtic 91r. Supervised Reading and Research**

Catalog Number: 1323

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on topics not treated in regular courses of instruction.

For Undergraduates and Graduates

Celtic 107. Early Irish History

Catalog Number: 7976

Gene C. Haley

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the history of Ireland from the advent of Christianity, through the Viking incursions, to the Anglo-Norman conquest of 1167 A.D. Making use of such historical and pseudo-historical sources as the Irish annals, regnal lists, genealogies, laws, martyrologies and other hagiography; as well as archaeological and climatological evidence; the course examines major social, political, military, religious, and cultural developments in the so-called 'Celtic' Ireland.

Note: To be omitted in 2010-11. No knowledge of Irish required; all texts are read in English translation.

[Celtic 114. Early Irish Historical Tales]

Catalog Number: 0781

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

Introduction to early Irish story-material about legendary and historical persons and events.

Attitudes to kingship and views of history in the tales are explored.

Note: Expected to be given in 2011-12. All texts are read in English translation.

Celtic 128. Introduction to Modern Welsh

Catalog Number: 4148

Catherine McKenna and others

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the Welsh language as spoken and written today, designed for those with little or no prior knowledge of this vibrant Celtic language. Intensive conversation practice is provided, and students learn to write fluently. Internet, audio and video exercises using dialogue, music and film augment a contextualized grammatical survey, and use of authentic literary texts increases as the course progresses.



Note: The combination of Celtic 128 followed by Celtic 129r satisfies the language requirement. It is recommended in any case that this course be followed by Celtic 129r. May not be taken Pass/Fail. Not open to auditors.

Celtic 129r. Intermediate Modern Welsh

Catalog Number: 4694

Catherine McKenna and others

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Direct continuation of Celtic 128, developing and deepening students' knowledge of, and skill in, the modern spoken and written language. By the end of the semester students will be able to converse, read and write in a number of registers of idiomatic Welsh (academic, literary, informal). Various media, featuring dialogue, music and film, augment the advanced grammatical survey. Central cultural and historical issues are discussed.

Note: This course, when taken following Celtic 128, satisfies the language requirement. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: Celtic 128 or permission of instructor.

Celtic 130. Introduction to Scottish Gaelic

Catalog Number: 1846

William Gillies

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to Scottish Gaelic as it is spoken and written today, using a variety of individual and group exercises and drills to impart a thorough understanding of the structure of the contemporary language, while at the same time developing aural and oral skills to enable students to experience and use it in a variety of social and cultural contexts.

Note: Expected to be omitted in 2010-11. The combination of Celtic 130 followed by Celtic 131 satisfies the language requirement. It is recommended in any case that this course be followed by Celtic 131. May not be taken Pass/Fail. Not open to auditors.

Celtic 131. Intermediate Scottish Gaelic

Catalog Number: 4542

William Gillies

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

A continuation of 130 in which we draw on current journalism, short stories and poetry, traditional tales and song-texts to build up familiarity with the main registers of contemporary Scottish Gaelic, together with confidence in speaking, understanding, reading and writing the language.

Note: Expected to be omitted in 2010-11. This course, when taken following Celtic 130, satisfies the language requirement. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: Celtic 130 or equivalent.

Celtic 132. Introduction to Modern Irish

Catalog Number: 6725

Catherine McKenna and others

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to Irish as it is spoken and written today. Class work is participatory, and



includes conversational role play and games as well as grammar study and drills. Audio and audiovisual resources reinforce pronunciation and aural comprehension. Songs, proverbs, and poems are an integral part of the course, introducing students to the vibrant oral and literary tradition of Gaelic Ireland.

Note: The combination of Celtic 132 and 133r satisfies the language requirement. It is recommended in any case that this course be followed by Celtic 133r. May not be taken Pass/Fail. Not open to auditors.

Celtic 133r. Intermediate Modern Irish

Catalog Number: 6689

Tomás Ó Cathasaigh and others

Half course (spring term). M., at 9, W., F., at 1. EXAM GROUP: 2, 6

A continuation of Celtic 132, developing students' fluency in spoken and written Irish. As our knowledge of the language expands, we venture into storytelling, journal writing and writing and performing short skits. Internet, audio and video resources complement the study of grammar and select prose texts.

Note: This course, when taken following Celtic 132, satisfies the language requirement. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: Celtic 132 or permission of instructor.

[Celtic 137. Celtic Mythology]

Catalog Number: 1300

Tomás Ó Cathasaigh

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A survey of the sources for the study of Celtic mythology, with special attention to selected texts from early Ireland and Wales.

Note: Expected to be given in 2010–11. All texts are read in English translation. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Celtic 138. Narrative Traditions of Medieval Wales

Catalog Number: 6480

Catherine McKenna

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

An exploration of the Four Branches of the Mabinogi, Welsh Arthurian romances and tales, and the bardic lore associated with them, in the context of the literary culture of Wales in the twelfth through fourteenth centuries.

Note: Expected to be omitted in 2010-2011. All texts are read in English translation.

Celtic 151. The Literature of Medieval Celtic Christianity

Catalog Number: 5560

Catherine McKenna

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A study of selected texts representative of early and medieval Christianity in Ireland and Wales, including saints' lives, voyage and vision narratives, hymns, prayers and poetry, in the context of the history of Christianity and especially of the development of monasticism.

Note: Expected to be omitted in 2010-11. All texts are read in English translation.



[Celtic 160r. Advanced Modern Irish]

Catalog Number: 0704

Instructor to be determined

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Geared to the interests and aptitudes of the participants, this course enhances students' confidence in using Irish as a medium of oral and written communication and introduces them to the Gaelic literary tradition.

Note: Expected to be given in 2010–11. It is suggested that this course be followed by Celtic 161r.

Prerequisite: Celtic 133r or permission of instructor.

[Celtic 161r. Continuing Advanced Modern Irish]

Catalog Number: 4421

Instructor to be determined

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Continuation of the fall term course.

Note: Expected to be given in 2010–11.

Prerequisite: Celtic 160r or permission of instructor.

[Celtic 184. The *Táin*]

Catalog Number: 2150

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A study of the exuberant Irish prose epic *Táin Bó Cuailnge* ('Cattle-Raid of Cooley').

Note: Expected to be given in 2010–11. Expected to be omitted in 2010-2011. Text read in English translation.

Celtic 188. Scottish Gaelic Poetry - (New Course)

Catalog Number: 97048

William Gillies

Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7

An exploration of the different types of vernacular Gaelic poetry composed in Scotland from the 16th to the 19th century, including personal lyrics and public praise-poetry, and an examination of the poets' responses to the transformation of Gaelic society from the 'clan' period to the Jacobite Risings, the Highland Clearances and the Gaelic revival at the time of the Land Wars. The course is built around the close study of a series of key texts to be read in English translation.

Note: Expected to be omitted in 2010–11.

Celtic 189. The Gaelic Learned Tradition - (New Course)

Catalog Number: 45526

William Gillies

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

An exploration of the place and function, training and repertoire, ethos and ideology, productions and manuscript legacy of the professional poetic families of the Gaelic continuum in Ireland and Scotland in the 'Classical' Early Modern period (c. 12th to c. 17th century). The course is built



around the close study of a series of key texts to be read in English translation.

Note: Expected to be omitted in 2010–11.

Cross-listed Courses

[***English 90qi. 20th-Century Irish Literature**](#)

[***English 90qn. Navigating Ulysses**](#)

[Linguistics 158r. From Indo-European to Old Irish]

[Literature and Arts A-67. Poetry and Power: The Celtic Bard]

[**Literature and Arts C-20. The Hero of Irish Myth and Saga**](#)

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

[**Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy**](#)

[**Scandinavian 160br \(formerly Scandinavian 160b\). Old Norse Language, Literature, and Culture: Mythology**](#)

Primarily for Graduates

[**Celtic 200. Introduction to Old Irish**](#)

Catalog Number: 8266

Margaret R. Griffin-Wilson

Half course (fall term). M., W., F., at 3. EXAM GROUP: 8

An introduction to the language of the eighth and ninth centuries, with elementary readings in prose texts.

Note: Expected to be omitted in 2010–11. It is suggested that this course be followed by Celtic 201.

[**Celtic 201. Continuing Old Irish**](#)

Catalog Number: 6073

Tomás Ó Cathasaigh

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

Further grammatical study, with continued reading of saga texts.

Note: Expected to be omitted in 2010–11.

Prerequisite: Celtic 200 or permission of the instructor.

[**\[Celtic 204r. Readings in Early Irish Poetry\]**](#)

Catalog Number: 8493

Tomás Ó Cathasaigh

Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7

Readings in selected texts.

Note: Expected to be given in 2010–11.

Prerequisite: Celtic 200 or permission of the instructor.

[**\[Celtic 205r. Readings in Early Irish Prose\]**](#)

Catalog Number: 2705

Tomás Ó Cathasaigh



Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Readings in selected texts.

Note: Expected to be given in 2010–11.

Prerequisite: Celtic 200 or permission of the instructor.

[Celtic 225a. Introduction to Middle Welsh]

Catalog Number: 3960

Catherine McKenna

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Introduction to the language, leading to the reading of Middle Welsh prose texts. We read one of the *Four Branches of the Mabinogi* and selections from other works.

Note: Expected to be given in 2010–11. It is suggested that this course be followed by Celtic 225b.

[Celtic 225b. Continuing Middle Welsh]

Catalog Number: 4167

Catherine McKenna

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

Further grammatical studies with continued readings of Middle Welsh prose and poetry.

Note: Expected to be given in 2010–11.

Prerequisite: Celtic 225a or permission of instructor.

Celtic 226r. Readings in Middle Welsh

Catalog Number: 2796

Catherine McKenna

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Readings in native tales, romance, and the poetry of the *cywyddwyr*.

Note: Expected to be omitted in 2010–11.

Prerequisite: Celtic 225b or permission of the instructor.

Celtic 227. Seminar: Welsh Bardic Poetry

Catalog Number: 2580

Catherine McKenna

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Readings from the *hengerdd*, the *beirdd y tywysogion* and the *beirdd yr uchelwyr*; consideration of the social and political contexts of their poetry, its forms, and its relationship to other medieval European poetic traditions.

Note: Expected to be omitted in 2010–11.

Prerequisite: Knowledge of Welsh or permission of the instructor.

Graduate Courses of Reading and Research

***Celtic 300. Reading and Research**

Catalog Number: 5614

William Gillies 6305, Catherine McKenna 5253, and Tomás Ó Cathasaigh 1224 (on leave spring term) (on leave fall term)



***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Catherine McKenna 5253 and Tomás Ó Cathasaigh 1224 (on leave spring term) (on leave fall term)

Chemical and Physical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Chemical and Physical Biology

Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology (*Acting Chair, Co-Head Tutor*)

Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*Chair (on leave 2009-10)*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Melissa Franklin, Mallinckrodt Professor of Physics (*on leave spring term*)

Stephen C. Harrison, Giovanni Armenise - Harvard Professor of Basic Biomedical Science, and Professor of Pediatrics (*Medical School*)

David Jeruzalmi, Associate Professor of Molecular and Cellular Biology

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*), Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Co-Head Tutor*)

Nancy Kleckner, Herchel Smith Professor of Molecular Biology

David R. Liu, Harvard College Professor, Professor of Chemistry and Chemical Biology

Richard M. Losick, Maria Moors Cabot Professor of Biology

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology

Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology (*Co-Director of Studies*)

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)

Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics (*on leave 2009-10*)

Other Faculty Offering Instruction in Chemical and Physical Biology

**A. Thomas Torello, Lecturer on Molecular and Cellular Biology**

The Chemical and Physical Biology concentration is overseen by a Standing Committee, which includes representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program. The Board of Tutors in Biochemical Sciences, which was established in 1926, runs the Tutorial program for the Chemical and Physical Biology concentration and the Molecular and Cellular Biology concentration. The Tutorial program offers individualized instruction to all concentrators beginning at the time of declaration.

The concentration aims to provide students with the background needed to make new advances in the quantitative understanding of living systems. Chemical and physical biology provides a link between classical approaches to studying biology and the chemical tools and physical methods required to understand dynamic changes in complex biological systems. For more information about Chemical and Physical Biology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu/concentrations/.

Primarily for Undergraduates***Chemical and Physical Biology 91r. Introduction to Research**

Catalog Number: 9168

A. Thomas Torello

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the CPB concentration under the direction of, or approved by, members of the Board of Tutors in CPB. A paper must be submitted to the laboratory sponsor and to the CPB Student Affairs Office for review by the Head Tutor and Course Director.

Note: Limited to CPB concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the CPB Concentration Office prior to enrolling in the course. Ordinarily may not be taken as a fifth course.

***Chemical and Physical Biology 99. Laboratory Research for Honors Thesis**

Catalog Number: 7918

A. Thomas Torello

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in CPB. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Course Director. Students may enter the course at midyear only with the permission of the Course Director. The thesis proposal must be approved by the Course Director and Head Tutors prior to enrolling in CPB 99. Ordinarily may not be taken as a fifth course.



Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Chemical Biology

David R. Liu, Harvard College Professor, Professor of Chemistry and Chemical Biology (*Co-Chair*)

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Co-Chair*)

Ulrike Sophie Eggert, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*), Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology

Gregory L. Verdine, Erving Professor of Chemistry in the Department of Stem Cell & Regenerative Biology

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)

Primarily for Graduates

Chemical Biology 2100. Introduction to Chemical Biology I

Catalog Number: 4030

Suzanne Walker (*Medical School*), Ulrike Sophie Eggert (*Medical School*), and Nathanael Gray (*Medical School*)

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

This introductory course examines key areas of biology from a chemical perspective, discusses the use of chemical approaches to study biological systems, and explores new strategies to treat disease.

Prerequisite: A basic knowledge of organic chemistry.

***Chemical Biology 2200. Introduction to Chemical Biology II**

Catalog Number: 3459 Enrollment: Limited to 10.

Suzanne Walker (*Medical School*) and Ulrike Sophie Eggert (*Medical School*)

Half course (spring term). M., through F., 10am - 5pm (two weeks in mid January (1/8/09 - 1/22/09), followed by two 90-minute meetings (4/29/09 - 5/6/09).

This course will provide a survey of major topics, technologies, and themes in Chemical Biology, with hands-on exposure to a variety of experimental approaches, followed by an introduction to proposal writing.

Note: Intended for first-year graduate students in the Chemical Biology Program; permission of the instructor required for all others.

Cross-listed Courses

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis



[BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design](#)

[BCMP 230. Principles and Practice of Drug Development](#)

[Biophysics 101 \(Genomics and Computational Biology\). Computational Biology](#)

[Cell Biology 201. Molecular Biology of the Cell](#)

[Chemistry 135. Experimental Synthetic Chemistry](#)

[Chemistry 163. Frontiers in Biophysics](#)

[*Chemistry 185 \(formerly *Chemistry 285\). Molecular Pathophysiology and Pharmacology of Human Disease](#)

[\[*Chemistry 206. Advanced Organic Chemistry\]](#)

[\[*Chemistry 215 \(formerly Chemistry 115\). Advanced Organic Chemistry: Synthesis of Complex Molecules\]](#)

[*Chemistry 270. Chemical Biology](#)

[\[*Chemistry 280 \(formerly Chemistry 180\). Macromolecular Structure and Function\]](#)

[Genetics 201. Principles of Genetics](#)

[MCB 156. Structural Biology of the Flow of Information in the Cell](#)

[\[Microbiology 200. Molecular Microbiology and Pathogenesis\]](#)

[Neurobiology 200. Introduction to Neurobiology](#)

[Virology 201. Virology](#)

Graduate Courses of Reading and Research

***Chemical Biology 350. Chemical Biology Research**

Catalog Number: 9668

Members of the Committee

Upper level Chemical Biology students register for this course when they permanently join a lab. Students should register under the supervising PI.

***Chemical Biology 3000. Introduction to Laboratory Research**

Catalog Number: 1888

Jon Clardy (Medical School) 4667 and members of the Committee

This course will introduce the research areas of Chemical Biology faculty members.

Note: Chemical Biology students register for lab rotations under this course number.

Chemical Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Degree of Doctor of Philosophy in Chemical Physics



Eric J. Heller, Abbott and James Lawrence Professor of Chemistry and Professor of Physics
(*Chair*) (*on leave fall term*)
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology (*Acting Chair*)
Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology
Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics
John M. Doyle, Professor of Physics
Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry
Mikhail D. Lukin, Professor of Physics (*on leave spring term*)
David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and
Applied Physics (*on leave fall term*)
Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics (*on leave 2009-10*)

The degree of Doctor of Philosophy in Chemical Physics is offered to students with undergraduate education in chemistry or physics. It provides a program of study and research in joint areas of physics and chemistry. The Committee in Chemical Physics serves to aid students interested in chemical physics plan their program of graduate studies. The program of research leading to the PhD may be carried out under the direction of members of the departments of Chemistry, Physics, Astronomy, and the School of Engineering and Applied Sciences who have interests in chemical physics. Specific information may be obtained from any member of the committee and from the Department of Chemistry Information Office.

Chemistry and Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Chemistry and Chemical Biology

Andrew G. Myers, Amory Houghton Professor of Chemistry and Chemical Biology (*Chair*)
Joanna Aizenberg, Gordon McKay Professor of Materials Science (*on leave fall term*)
James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry (*on leave 2009-10*)
Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology
Theodore A. Betley, Assistant Professor of Chemistry and Chemical Biology
Anne Co, Lecturer on Chemistry and Chemical Biology
Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics
Timothy A. French, Preceptor in Chemistry and Chemical Biology, Lecturer on Chemistry and Chemical Biology
Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science



Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry
Evan A. Hecker, Lecturer on Chemistry and Chemical Biology
Eric J. Heller, Abbott and James Lawrence Professor of Chemistry and Professor of Physics (*on leave fall term*)
Eric N. Jacobsen, Sheldon Emery Professor of Chemistry
Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*), Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Co-Director of Undergraduate Studies*)
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
David R. Liu, Harvard College Professor, Professor of Chemistry and Chemical Biology
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Sirinya Matchacheep, Preceptor in Chemistry and Chemical Biology
Logan S. McCarty, Lecturer on Chemistry and Chemical Biology, Lecturer on Physics
Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*on leave 2009-10*)
Sang-Joon Park, Preceptor in Chemistry and Chemical Biology
Hongkun Park, Professor of Chemistry and Chemical Biology and of Physics
Tobias Ritter, Assistant Professor of Chemistry and Chemical Biology
Cesar Rodriguez-Rosario, Lecturer on Chemistry and Chemical Biology
Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
Semion Saykin, Lecturer on Chemistry and Chemical Biology
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Matthew D. Shair, Professor of Chemistry and Chemical Biology (*Co-Director of Graduate Studies*)
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Ryan M. Spoering, Lecturer on Chemistry and Chemical Biology
Marie Colleen Spong, Preceptor in Chemistry and Chemical Biology
Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology (*Co-Director of Undergraduate Studies*)
Andrew Norman Tyler, Lecturer on Chemistry and Chemical Biology
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
Xiaoliang Sunney Xie, Mallinckrodt Professor of Chemistry and Chemical Biology
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics (*on leave 2009-10*)

Other Faculty Offering Instruction in the Department of Chemistry and Chemical Biology

Tamara J. Brenner, Lecturer on Molecular and Cellular Biology
David A. Evans, Abbott and James Lawrence Professor of Chemistry, Emeritus
Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology

Incoming students should take advantage of Harvard's Chemistry and Life Sciences Placement Test, as well as the science advising available in the Science Center the week before classes begin. Members of the Life and Physical Sciences departments will be available during this period to advise students. The Harvard Chemistry and Life Sciences Placement Test results



recommend the appropriate starting level course for students interested in chemistry: Life and Physical Sciences A, Life Sciences 1a and/or Physical Sciences 1, or Chemistry 17/20.

Life Sciences 1a and Physical Sciences 1 together satisfy the one year general chemistry requirement for medical school.

Certain courses in biochemistry and biophysics are listed under Molecular and Cellular Biology or Biophysics (see cross-listings at end of middle group course section.). The School of Engineering and Applied Sciences, the Department of Physics, and the Department of Earth and Planetary Sciences also list a number of courses of interest to chemists.

Primarily for Undergraduates

Because of the sequence of prerequisites for chemistry courses, the Department strongly recommends some work in mathematics as well as chemistry in the first year. Freshmen contemplating this program should consult a member of the Chemistry Department in planning their first year. Advice may be obtained in the Associate Director of Undergraduate Studies' Office, Science Center 114.

Life and Physical Sciences

Life and Physical Sciences A. Foundational Chemistry and Biology

Catalog Number: 3956

Gregory C. Tucci and Tamara J. Brenner

Half course (fall term). M., W., F., at 9, and one hour of discussion section, a three-hour laboratory session, and one hour of review per week. EXAM GROUP: 2

This course introduces fundamental concepts in chemistry and biology. Topics in chemistry include stoichiometry, acids and bases, aqueous solutions, gases, thermochemistry, electrons in atoms, and chemical bonding. Topics in biology include the transfer of information from DNA to RNA to protein, genetic inheritance, mitosis and meiosis, and cell structure.

Note: Students should use their scores on the Chemistry and Biology Placement Tests to determine whether to enroll in Life and Physical Sciences A or Life Sciences 1a. This course assumes fluency with high school algebra. Students who have completed Life Sciences 1a, Physical Sciences 1, Chemistry 17 or Chemistry 20 may not take Life and Physical Sciences A for credit. This course, when taken for a letter grade, meets the General Education Requirement for Science of Living Systems or the Core area requirement for either Science A or Science B.

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Robert A. Lue and Daniel E. Kahne

Half course (fall term). Tu., Th., 1-2:30, and three hours of laboratory/discussion weekly. EXAM GROUP: 15, 16

What are the fundamental features of living systems? What are the molecules imparting them and how do their chemical properties explain their biological roles? The answers form a basis for understanding the molecules of life, the cell, diseases, and medicines. In contrast with traditional presentations of relevant scientific disciplines in separate courses, we take an integrated



approach, presenting chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems or the Core area requirement for Science A.

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences

Catalog Number: 2225

Hongkun Park and Adam E. Cohen

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Physical Sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. Students interested in Physical Sciences 1 should take the Chemistry Placement Exam. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Prerequisite: A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Students are expected to have AP or honors level high school chemistry, or have completed Life and Physical Sciences A (LPS A) with a satisfactory grade.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion

Catalog Number: 6053

Logan S. McCarty and Vinothan N. Manoharan

Half course (fall term). Tu., Th., 9:30-11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problem set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Circuits, Waves, Optics, and Imaging

Catalog Number: 5262

John Huth, Timothy A. French, and Sang-Joon Pahk



Half course (spring term). Tu., Th., 9:30-11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

This course is an introduction to electromagnetism, digital information, waves, optics and sound. Topics covered include: electric and magnetic fields, electrical potential, circuits, simple digital circuits, wave propagation in various media, microscopy, sound and hearing. The course will draw upon a variety of applications to the biological sciences and will use real-world examples to illustrate many of the physical principles described. There are six laboratories.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or 15b. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

Primarily for Undergraduates

Because of the sequence of prerequisites for chemistry courses, the Department strongly recommends some work in mathematics as well as chemistry in the first year. Freshmen contemplating this program are urged to consult a member of the Chemistry Department in planning their work for the first year. Advice may be obtained in the Associate Director of Undergraduate Studies' Office, Science Center 114.

Chemistry 17. Principles of Organic Chemistry

Catalog Number: 5085

Alan Saghatelian

Half course (fall term). M., W., F., at 11, and a discussion section to be arranged. EXAM GROUP: 4

An introduction to structure, bonding, and reaction mechanisms of organic compounds; chemical transformation of the common functional groups; principles of organic synthesis.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. Students may not count both Chemistry 17 and Chemistry 20 for degree credit. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score of 750 or higher in the College Boards or the Chemistry Placement Examination; to students who scored 4 or 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Physical Sciences 1, Chemistry 7, or 15. Others may enter only by permission of the instructor.

Chemistry 20. Organic Chemistry

Catalog Number: 0876

Ryan M. Spoering



Half course (spring term). M., W., F., at 9, and a discussion section to be arranged. EXAM GROUP: 2

An introduction to structure and bonding in organic molecules; mechanisms of organic reactions; chemical transformations of the functional groups of organic chemistry; synthesis; determination of chemical structures: infrared and NMR spectroscopy.

Note: The Chemistry 17/27 sequence is intended primarily for students in the life sciences, whereas the 20/30 sequence is intended primarily for Chemistry concentrators and other students concentrating in the physical sciences. Either sequence satisfies the organic chemistry requirement for medical school. The content of Chemistry 17 is similar to that of Chemistry 20, so students may not count both courses toward the degree. On the other hand, Chemistry 27 and Chemistry 30 cover different material, so students may choose to take both courses for degree credit; students should ordinarily take the third half course only after completing either the 17/27 or 20/30 sequence. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Open to freshmen with a score higher than 750 in the College Boards or the Chemistry Placement Examination; to students who scored 5 on the Chemistry Advanced Placement Examination; and to students who achieved a grade of B or higher in either Physical Sciences 1, Chemistry 7, or 15. Others may enter only by permission of the instructor.

Chemistry 27. Organic Chemistry of Life

Catalog Number: 5978

George M. Whitesides

Half course (spring term). M., W., 2:30-4, and a discussion section, and a five-hour laboratory each week to be arranged. EXAM GROUP: 7, 8

Chemical principles that govern the processes driving living systems are illustrated with examples drawn from biochemistry, cell biology, and medicine. The course deals with organic chemical reactivity (reaction mechanisms, structure-reactivity relationships), with matters specifically relevant to the life sciences (chemistry of proteins, nucleic acids, drugs, natural products, cofactors, signal transduction), and with applications of chemical biology to medicine and biotechnology. An understanding of organic reactions and their "arrow" pushing mechanisms is required.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17. This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems.

Prerequisite: Chemistry 17 or Chemistry 30 or Chemistry 20 with permission of the instructor.

Chemistry 30. Organic Chemistry

Catalog Number: 6587

Tobias Ritter

Half course (fall term). Lectures M., W., F., at 9, and laboratory, four to six hours a week, to be arranged. EXAM GROUP: 2

Continuation of Chemistry 20. Fundamental principles and advanced topics in organic chemistry. Carbonyl chemistry and pericyclic reactions are covered in particular detail, using principles of stereochemistry, stereoelectronic theory, and molecular orbital theory as a foundation. Students learn about strategies in multi-step organic synthesis and are given an introduction into



organometallic chemistry. Laboratory: an introduction to organic chemistry laboratory techniques and experimental organic synthesis.

Note: Chemistry 27 and 30 may both be taken for degree credit. See note for Chemistry 17. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Chemistry 20 or equivalent.

Chemistry 40. Inorganic Chemistry

Catalog Number: 8201

Cynthia M. Friend

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

An introduction to basic concepts of inorganic chemistry. Develops principles of chemical bonding and molecular structure on a basis of symmetry, applying these concepts to coordination chemistry (highlighting synthesis), organometallic chemistry (applications to catalysis), materials synthesis, and bioinorganic processes.

Prerequisite: Chemistry 17 or 20.

Chemistry 60. Foundations of Physical Chemistry

Catalog Number: 5181

Roy G. Gordon

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A compact introduction to major principles of physical chemistry (statistical mechanics, thermodynamics, and chemical kinetics), concurrently providing mathematical and physical foundations for these subjects and preparation for Chemistry 160 and 161, or Chemistry 105.

Prerequisite: Physical Sciences 1 or equivalent; completion or concurrent enrollment in Mathematics 21a or Applied Mathematics 21a; completion or concurrent enrollment in Physics 11a or equivalent.

***Chemistry 91r. Introduction to Research**

Catalog Number: 4366

Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Reading and/or laboratory work related to one of the research projects under way in the department.

Note: Open to a limited number of chemistry concentrators who are accepted as research students without having taken Chemistry 98. Written permission of the sponsor must be filed at the Office of the Associate Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

***Chemistry 98r. Introduction to Research—Junior Year**

Catalog Number: 3124

Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open with permission of the instructor to junior chemistry majors who have satisfactorily



completed the non-credit Introduction to Research Tutorial in the spring term of the sophomore year. In that non-credit spring term tutorial, taught Tu., Th., 1-2:30, students will attend introductory lectures and research seminars in order to acquaint themselves with departmental research programs. In the junior year, students who complete the non-credit tutorial and obtain placement in a research laboratory will undertake research as Chemistry 98r. Written permission of the research adviser must be filed at the office of the Associate Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

***Chemistry 99r. Tutorial—Senior Year**

Catalog Number: 4508

Gregory C. Tucci, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Research under the direction of, or approved by, a member of the faculty of the Department of Chemistry.

Note: Open to seniors accredited by the Department as honors candidates. Students enrolled in Chem 99r have the option of writing a thesis. Written permission of the research adviser must be filed at the office of the Associate Director of Undergraduate Studies in Chemistry. Any student enrolling in this course must register the name of his or her research mentor with the course head whose signature must appear on each student's study card.

Cross-listed Courses

Earth and Planetary Sciences 107. Environmental Geochemistry

Earth and Planetary Sciences 133. Atmospheric Chemistry

***Freshman Seminar 22j. Seeing by Spectroscopy**

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 52. Molecular Biology

MCB 176. Biochemistry of Membranes

For Undergraduates and Graduates

***Chemistry 100. Experimental Chemistry and Chemical Biology**

Catalog Number: 7796

Ryan M. Spoering

Half course (spring term). Th., 4-5:30, and two five-hour labs each week. EXAM GROUP: 18

A laboratory course where students carry out research. Projects will be drawn directly from faculty covering a range of methodologies in chemistry and chemical biology. Students will discuss their progress and write formal reports.

Note: Open to freshmen, sophomores, juniors, and seniors, regardless of concentration, and suitable for students either with or without extensive laboratory experience.

Prerequisite: Chemistry 30 or Chemistry 27, and permission of the instructor.

[Chemistry 105. Mechanisms of Organic Reactions: Physical-Organic Chemistry]

Catalog Number: 3181



Instructor to be determined

Half course (fall term). Hours to be arranged.

The study of the relation between structure of carbon compounds and their reactivity and properties. Thermodynamics, electronic structure, reaction mechanisms, reactive intermediates, catalysis, structure-reactivity relations, influence of solvents on reactivity.

Note: Expected to be given in 2010–11.

Prerequisite: Chemistry 7, or Physical Sciences 1, Chemistry 17/20 and Chemistry 27/30 with a grade of B- or better.

Chemistry 135. Experimental Synthetic Chemistry

Catalog Number: 3406 Enrollment: Limited to 45.

Evan A. Hecker

Half course (spring term). M., at 1. EXAM GROUP: 6

An introduction to experimental problems encountered in the synthesis, isolation, purification, characterization, and identification of inorganic and organic compounds. Each student works on a different sequence of reactions, encouraging technical proficiency and simulating actual research.

Note: Preference given to concentrators in Chemistry. Recommended as an efficient preparation for research in experimental inorganic and organic chemistry and related sciences such as biochemistry and pharmacology. Normally follows Chemistry 27 or 30 and is strongly recommended as preparation for Chemistry 98r and 99r.

Chemistry 158. Nanoscience and Nanotechnology

Catalog Number: 7504

Charles M. Lieber

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A survey of nanoscience and nanotechnology. Topics include: bottom-up versus top-down paradigms; synthesis and fabrication of zero-, one- and two-dimensional materials; physical properties of nanostructures, including electronic and optical properties; hierarchical organization in two and three dimensions; functional devices circuits and nanosystems; applications with emphasis on nano-bio interface and electronics.

Note: For advanced undergraduate and graduate students.

Prerequisite: Chemistry 40, or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Alán Aspuru-Guzik

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to modern theories of the structure of matter, including the principles of quantum mechanics, the electronic structure of atoms and molecules, chemical bonding, and atomic and molecular spectra.

Prerequisite: Applied Mathematics 21a and 21b, Mathematics 21a and 21b, or equivalent preparation in calculus and differential equations; Physical Sciences 1 or equivalent preparation in chemical bonding and fundamental principles; Physical Sciences 2 or Physics 11a, and Physical Sciences 3 or Physics 11b.

**Chemistry 161. Statistical Thermodynamics**

Catalog Number: 3575

*Eugene I. Shakhnovich**Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14*

An introduction to statistical mechanics, thermodynamics, and chemical kinetics with applications to problems in chemistry and biology. Topics include: thermodynamics and statistical properties of gases, liquids and crystals, critical phenomena, elements of non-equilibrium statistical mechanics with applications to Chemistry and Biophysics such as theories for biopolymers and chemical reactions. The course has two tracks - Chem 161 is the basic track. Chem 240 is the advanced track. Each course will have separate sections and homework.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent. Or permission of instructor.

Chemistry 163. Frontiers in Biophysics

Catalog Number: 3635

*Xiaoliang Sunney Xie**Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7*

Emerging physical tools are changing the way biological problems are addressed. This interdisciplinary course will introduce new experimental advances, microscopy and spectroscopy in particular, together with underlying principles, in molecular and cellular biophysics.

Note: Primarily for advanced undergraduate students and graduate students with either biological or physical backgrounds.

Prerequisite: Chemistry 160, Chemistry 161, or permission of the instructor.

[*Chemistry 164r. Quantum Chemistry via density functionals: theory and applications]

Catalog Number: 8277

*Instructor to be determined**Half course (fall term). Hours to be arranged.*

What are "density functionals," where do they come from, and why do they work? This course provides a solid introduction to modern DFT methods (and time-dependent DFT), with applications to various chemical problems. Practical calculations on problems of interest to the student's research subject are encouraged.

Note: Expected to be given in 2010–11.

Prerequisite: Chemistry 160, or equivalent.

***Chemistry 165. Experimental Physical Chemistry**

Catalog Number: 0667

*Cynthia M. Friend**Half course (spring term). T., 3-4 and sections on Th., 1-5, or 6-10 pm. EXAM GROUP: 17*

Hands-on introduction to physical methods and techniques used widely in chemistry and chemical physics research laboratories. Computer-based methods of data acquisition and analysis are used throughout.

Note: Recommended as an efficient preparation for research in experimental chemistry, chemical physics, engineering sciences, and related disciplines.

Prerequisite: Chemistry 7, or Physical Sciences 1, or equivalent; Applied Mathematics 21a or Mathematics 21a; one full course in physics or equivalent.



***Chemistry 185 (formerly *Chemistry 285). Molecular Pathophysiology and Pharmacology of Human Disease**

Catalog Number: 4005

Gregory L. Verdine and Vicki L. Sato

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17, 18

This course will address both the molecular basis of human disease, and the biological and chemical foundation of therapeutic intervention. The course will include lectures by prominent experts, and analysis of the primary literature.

Note: May not be taken concurrently with MCB 185. May not be taken for credit if MCB 185 or Chem 285 has already been taken. Credit can not also be received for MCB 185.

Prerequisite: Chemistry 20/30 or 17/27, Life Sciences 52 or their equivalents.

[Chemistry 192. Principles of Drug Discovery and Development]

Catalog Number: 9628 Enrollment: Limited to 20.

Instructor to be determined

Half course (spring term). Hours to be arranged.

This interdisciplinary course will examine the process of drug discovery and development through disease-driven examples. Topics include: the efficacy/toxicity balance, the differences between drugs and inhibitors, the translation of cellular biochemistry to useful medicine.

Note: Expected to be given in 2010–11. May not be taken concurrently with MCB 192. May not be taken for credit if MCB 192 has already been taken.

Prerequisite: MCB 52 and one year of organic chemistry. MCB 54 is recommended.

Cross-listed Courses

[Earth and Planetary Sciences 187 (formerly Earth and Planetary Sciences 137). Biogeochemical Processes]

MCB 199. Statistical Thermodynamics and Quantitative Biology

Primarily for Graduates

Chemistry 201. Organic Synthesis and Genomic Medicine

Catalog Number: 7505

Stuart L. Schreiber

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Organic Synthesis and Genomic Medicine, teaches advanced students in chemistry and chemical biology the principles that underlie modern synthetic organic chemistry and genome biology, and the coordination of the two disciplines, especially using chemical biology, towards genomic medicine. For example, the course will explore how synthetic organic chemistry could provide a general mechanism to exploit the dramatic insights being gained from modern human genetics in order to develop safe and effective therapeutics for currently intractable diseases.

Prerequisite: Chemistry 17/27, Chemistry 20/30, or the equivalent

Chemistry 205. Advanced Physical Organic Chemistry

Catalog Number: 6636

Eric N. Jacobsen



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An in-depth perspective on mechanistic organic chemistry, with analysis of fundamental organic and organotransition metal reaction mechanisms, reactive intermediates, catalysis, stereochemistry, non-covalent interactions, and molecular recognition. Classical and modern tools of physical-organic chemistry, including reaction kinetics, computer modeling, isotope effects, and linear free-energy relationships will be evaluated in the context of literature case studies.

Prerequisite: Chem 206 or an equivalent upper-level course in organic chemistry, and Chem 160/161 or an equivalent sequence in physical chemistry; or permission of the instructor.

[*Chemistry 206. Advanced Organic Chemistry]

Catalog Number: 1063

Matthew D. Shair

Half course (fall term). M., W., F., at 10.

A discussion of the important classes of organic reactions will be presented along with an analysis of mechanism. Topics include rearrangements, pericyclic reactions, carbonyl additions, enolate-based transformations, and photochemically induced reactions. An introduction to FMO theory and stereoelectronic effects will be provided.

Note: Expected to be given in 2010–11.

Prerequisite: Chemistry 30 or permission of instructor.

Chemistry 207. Advanced Organic Synthesis and Reactions - (New Course)

Catalog Number: 86638

Matthew D. Shair

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

This course presents reactivity principles of organic molecules. Topics include frontier molecular orbital theory, stereoelectronic effects, conformational analysis, cationic, anionic, radical, and carbene intermediates. These reactivity principles are used in a presentation of target-oriented synthesis. Strategies and tactics for assembling complex organic molecules are presented.

Prerequisite: Undergraduates must take Chem 30 as a prerequisite.

[*Chemistry 215 (formerly Chemistry 115). Advanced Organic Chemistry: Synthesis of Complex Molecules]

Catalog Number: 0480

Instructor to be determined

Half course (fall term). Hours to be arranged.

An integrated course in complex synthetic problem solving that focuses on the development of principles and strategies for synthesis design with a concurrent, comprehensive review of modern synthetic transformations.

Note: Expected to be given in 2010–11.

Prerequisite: A grade of A in Chemistry 30.

Chemistry 217. Modern Applications of Analytical Techniques to Chemical and Biological Sciences

Catalog Number: 1061

Andrew Norman Tyler



Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The goal of this course is to introduce students to analytical techniques that enable the characterization and study of molecules. While emphasis will be placed on the application of mass spectrometry to small molecules, other techniques, such as nuclear magnetic resonance (NMR) spectroscopy will be discussed, as well as the important application of chromatography in conjunction with these techniques. The course will also discuss the study of biomolecules and should prove useful for both pure chemists and chemical biologists.

Prerequisite: Chem 27/30 or equivalent; familiarity with the basic interpretation of 1D ¹H NMR.

***Chemistry 240. Statistical Thermodynamics**

Catalog Number: 5215

Eugene I. Shakhnovich

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to statistical mechanics, thermodynamics, and chemical kinetics with applications to problems in chemistry and biology. Topics include: thermodynamics and statistical properties of gases, liquids and crystals, critical phenomena, elements of non-equilibrium statistical mechanics with applications to Chemistry and Biophysics such as theories for biopolymers and chemical reactions. The course has two tracks. Chem 161 is the basic track. Chem 240 is the advanced track. Each will have separate sections and homework.

Prerequisite: Chemistry 160 and Chemistry 161, or permission of instructor.

[*Chemistry 241. Chemical Kinetics]

Catalog Number: 1122

Instructor to be determined

Half course (spring term). Hours to be arranged.

The rates of chemical processes from both experimental and theoretical points of view; reactions in molecular beams, gases, liquids, solids and at interfaces; applications in chemistry, materials science, atmospheric science and biology.

Note: Expected to be given in 2010–11.

Prerequisite: Introductory physical chemistry (Chemistry 60, Molecular and Cellular Biology 199, or equivalent); introductory quantum mechanics (Chemistry 160, Physics 143a, or equivalent).

***Chemistry 242. Quantum Mechanics for Physical Chemistry**

Catalog Number: 2971

Cesar Rodriguez-Rosario; Semion Saikin; Roel Sanchez-Carrera; Dmitriy Rappoport

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Review of the fundamental principles of quantum mechanics: Hilbert spaces, operator algebra, Schrodinger, Heisenberg and interaction pictures. Approximate methods of solution of the Schrodinger equation: Perturbation, mean-field theories and the variational principle. Theory of chemical bonding: Effective Hamiltonian theories and molecular orbital theory. Symmetry and spectroscopy: Electronic, vibrational and NMR spectroscopy. Time-dependent quantum phenomena and its applications to chemical reaction dynamics: transition state theory and Marcus theory of electron transfer. Theory and applications of modern molecular electronic structure: Hartree Fock theory, density functional theory and Moller-Plesset Perturbation theory.



Prerequisite: Chemistry 160 or Physics 143, Physics 11 or 12, and Applied Mathematics 105a and 105b, or Mathematics 21, or equivalent.

[*Chemistry 243. Applied Quantum Mechanics]

Catalog Number: 3622

Instructor to be determined

Half course (spring term). M., W., 2–3:30.

The course will cover the application of quantum mechanical principles to contemporary problems in chemistry and physics. The topics covered in the course will include: chemical bonding and the Born-Oppenheimer Approximation, atom/molecule-photon interaction (including second quantization and the dressed-state approach), Quantum Optics, and solid-state and nano-science (band theory, Fermi liquid theory, and electron transport).

Note: Expected to be given in 2010–11. Intended for graduate and advanced undergraduate students in chemistry, physics, and applied physics.

Prerequisite: Two semesters of quantum mechanics (Chemistry 160 / Chemistry 242, or Physics 143a / 143b, or equivalent).

Chemistry 254. Advanced Inorganic Chemistry - (New Course)

Catalog Number: 32665

Theodore A. Betley

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Application of group theory towards understanding reactivity patterns in transition element chemistry with an emphasis on synthesis, structure, bonding, and reaction mechanisms.

Advanced problems of interest to inorganic chemistry will be discussed in the context of catalysis, organometallics, and bioinorganic processes.

[Chemistry 267. Surface and Interfacial Phenomena]

Catalog Number: 0571

Instructor to be determined

Half course (spring term). Tu., Th., 10–11:30.

General principles governing surface and interfacial phenomena are developed using treatment of surface electronic and geometric structure as a foundation. The course will treat both theoretical and experimental tools for the investigation of surface structure. Selected spectroscopic techniques will also be treated, with emphasis on surface phenomena. The latter part of the course will develop principles of absorption, reaction, and growth phenomena illustrated through current literature topics.

Note: Expected to be given in 2010–11. Recommended for graduate and advanced undergraduate students in Chemistry, Applied Physics, and related areas with interest in Materials Chemistry and Engineering, Surface Chemistry, Applied Physics, and other areas dependent on properties and behavior of interfaces.

Prerequisite: Chemistry 160 and 161 or equivalent; Applied Mathematics 21a or Mathematics 21a; one full course in physics or equivalent.

***Chemistry 270. Chemical Biology**

Catalog Number: 7754

Gavin MacBeath



Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Applying chemical approaches to problems in biology. Topics include: protein engineering and directed evolution; RNA catalysis and gene regulation; chemical genetics, genomics, and proteomics; drug action and resistance; rational and combinatorial approaches to drug discovery; metabolic engineering.

Prerequisite: A strong background in organic chemistry and biochemistry.

[*Chemistry 280 (formerly Chemistry 180). Macromolecular Structure and Function]

Catalog Number: 6449

Instructor to be determined

Half course (spring term). Hours to be arranged.

Explores the relationship between the structure and function of biological macromolecules.

Emphasis is placed on the chemical principles governing recognition and catalysis in biological systems, using examples drawn from the scientific literature.

Note: Expected to be given in 2010–11.

***Chemistry 301hf (formerly Chemistry 299hf). Scientific Teaching and Communications: Practicum**

Catalog Number: 9903

Matthew D. Shair 2280, Ryan M. Spoering 5625, and Gregory C. Tucci 5020

Half course (throughout the year). Tu., 4–6. EXAM GROUP: 18

This course will teach graduate students how to communicate scientific concepts in the classroom. Students will focus on becoming effective teachers in discussion sections and in the laboratory. The course will emphasize hands-on experience in teaching and explaining scientific concepts.

Note: Required of all first-year graduate students in the Department of Chemistry and Chemical Biology.

Cross-listed Courses

[Applied Physics 291. Electron Microscopy Laboratory](#)

[Biophysics 242r. Special Topics in Biophysics](#)

[Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics](#)

[Engineering Sciences 268. Environmental Chemical Kinetics](#)

[\[Physics 218. Modern Dynamical Systems\]](#)

Graduate Courses of Reading and Research

A student intending to elect one of the following research courses should consult the instructor as far in advance as possible.

***Chemistry 300. Research and Reading**

Catalog Number: 6307

Members of the Department

Individual work under the supervision of members of the Department.



***Chemistry 300p. Physical Chemistry Seminar**

Catalog Number: 3043

Eugene I. Shakhnovich 3147

Full course (indivisible). Friday at 5:00 pm.

Weekly physical chemistry seminar and discussion with a member of the faculty of the Department of Chemistry and Chemical Biology.

Note: Required for first year physical chemistry and chemical physics graduate students and is strongly recommended for second year physical chemistry and chemical physics graduate students.

***Chemistry 302. Organometallic Chemistry**

Catalog Number: 1413

Eric N. Jacobsen 1040

***Chemistry 303. Organic Chemistry**

Catalog Number: 1043

David A. Evans 7774

***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074 (on leave fall term)

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102

***Chemistry 315. Photochemistry and Kinetics**

Catalog Number: 5964

James G. Anderson 6057 (on leave 2009-10)

***Chemistry 318. Organic Chemistry**

Catalog Number: 4295

George M. Whitesides 7447

***Chemistry 323. Organic Chemistry**

Catalog Number: 2477

Stuart L. Schreiber 2166

***Chemistry 325. Physical Chemistry**

Catalog Number: 8530

Cynthia M. Friend 7446

***Chemistry 330. Physical Chemistry**

Catalog Number: 1454

Adam E. Cohen 5761



***Chemistry 331. Chemical Biology**

Catalog Number: 1408
Gregory L. Verdine 1980

***Chemistry 336. Physical and Inorganic Chemistry and Materials Science**

Catalog Number: 5266
Roy G. Gordon 1353

***Chemistry 340. Inorganic Chemistry**

Catalog Number: 7987
Theodore A. Betley 5760

***Chemistry 350. Theoretical Physical Chemistry**

Catalog Number: 8285
Eugene I. Shakhnovich 3147

***Chemistry 386. Theoretical Chemistry**

Catalog Number: 5300
Alán Aspuru-Guzik 5539

***Chemistry 387. Organic Chemistry**

Catalog Number: 4674
Matthew D. Shair 2280

***Chemistry 388. Organic Chemistry**

Catalog Number: 1979
Andrew G. Myers 8278

***Chemistry 389. Physical Chemistry**

Catalog Number: 5111
Xiaoliang Sunney Xie 2290

***Chemistry 390. Organic Chemistry and Chemical Biology**

Catalog Number: 7469
David R. Liu 2717

***Chemistry 391. Physical Chemistry**

Catalog Number: 9897
Hongkun Park 2485

***Chemistry 393. Physical Chemistry**

Catalog Number: 1273
Xiaowei Zhuang 3991 (on leave 2009-10)



***Chemistry 394. Chemical Biology and Proteomics**

Catalog Number: 8697

Gavin MacBeath 4347

***Chemistry 396. Organic Chemistry**

Catalog Number: 2293

Daniel E. Kahne 5065

***Chemistry 397. Organic Chemistry**

Catalog Number: 3972

Suzanne Walker (Medical School) 5087

***Chemistry 398. Organic and Organometallic Chemistry**

Catalog Number: 1013

Tobias Ritter 5540

***Chemistry 399. Biochemistry and Chemical Biology**

Catalog Number: 4050

Alan Saghatelian 5541

The Classics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the Classics

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature (*Chair*)

Nathanael Andrade, College Fellow in the Department of the Classics

Carmen Arnold-Biucchi, Lecturer on the Classics

Bridget Kennedy Balint, Visiting Associate Professor of the Classics (*spring term only*)

Timothy Gordon Barnes, Lecturer on the Classics

Bettina Bergmann, Visiting Professor of Classical Archaeology

Kathleen M. Coleman, Professor of Latin (*on leave 2009-10*)

Emma Dench, Professor of the Classics and of History (*Director of Graduate Studies*)

David F. Elmer, Assistant Professor of the Classics

Albert Henrichs, Eliot Professor of Greek Literature

Christopher P. Jones, George Martin Lane Professor of the Classics and of History (*on leave 2009-10*)

Christopher B. Krebs, Associate Professor of the Classics

Ivy Livingston, Preceptor in the Classics



David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave fall term*)
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature
Vassiliki Rapti, Preceptor in Modern Greek
Jeremy Rau, Associate Professor of Linguistics and of the Classics
Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature
Mark Schiefsky, Professor of the Classics (*on leave 2009-10*)
Francesca Schironi, John L. Loeb Associate Professor of the Humanities
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics (*on leave spring term*)
R. J. Tarrant, Pope Professor of the Latin Language and Literature
Richard F. Thomas, Harvard College Professor, Professor of Greek and Latin (*Director of Undergraduate Studies*)
Benjamin Tipping, Assistant Professor of the Classics
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Other Faculty Offering Instruction in the Department of the Classics

James Hankins, Professor of History (*on leave spring term*)
Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emeritus

Information about requirements for undergraduate and graduate degrees, honors, prizes, and scholarships may be obtained at the office of the Department, Boylston Hall 204. Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads or the department's website (www.fas.harvard.edu/~classics) to determine if a course is offered on that basis.

Courses in Translation

Primarily for Undergraduates

[*Classical Studies 97a \(formerly *Classics 97a\). Greek Culture and Civilization](#)

Catalog Number: 3965

Nathanael Andrade

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

This course offers a survey of Greek history and culture from its earliest manifestations until Roman expansion incorporated a vast portion of the Greek world within imperial borders. It also teaches students how to reconstruct Greek history by examining primary texts and material culture in ways that prioritize Greek social relationships and cultural norms as much as political developments.

Note: Concentrators are required to take either one or two semesters of Classical Studies 97, depending on their concentration track.

[Classical Studies 97b \(formerly *Classics 97b\). Roman Culture and Civilization](#)

Catalog Number: 4090



Benjamin Tipping

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Study of Ancient Roman culture and civilization.

Note: Concentrators are required to take either one or two semesters of Classical Studies 97, depending on their concentration track.

For Undergraduates and Graduates

Classical Studies 125. The Rhetoric of Empire in Greek, Roman, and Christian Authors - (New Course)

Catalog Number: 28378

Nathanael Andrade

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

This course is an introduction to Greek, Roman, and Christian oratory for students both familiar and unfamiliar with the fields of classics and ancient history. It aims to develop skills in approaching ancient speeches as staged public performances, literary and historical documents, and tools by which public speakers and audiences collaborated to frame collective identities by excluding "others."

Classical Studies 126. The Secret History of Classical Texts - (New Course)

Catalog Number: 18554

Bridget Kennedy Balint

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

What is a Classic? Why is it valuable? Who decides? Perspectives from Homer's early readers, Roman Senators, medieval monastics, Renaissance humanists, and modern cultural critics, among others; the interplay of the ever-changing classical canon and individual patronage, imperial politics, cultural upheaval and technological change in the West.

Prerequisite: Recommended: previous acquaintance with the literature of Greece and Rome (the epics of Homer and Virgil, at a minimum).

Classical Studies 146. Euripides' *Bakchai* and the Modern Reception of Dionysos from 1872 - (New Course)

Catalog Number: 18349

Albert Henrichs

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An intercultural and interdisciplinary study of Dionysos in Greek and Roman antiquity, and of his modern reception beginning with Nietzsche's *Birth of Tragedy*, with emphasis on the pivotal role of this most Dionysiac of extant tragedies and its influence on the perception of Dionysos in literature, art and scholarship. Topics include divine and human identities; the wine and its beneficiaries; ritual ecstasy; the theater and the mask; gender roles and sexuality; suffering and sacrament; divine self-manifestation and epiphanic presence; polarities and otherness.

Classical Studies 159. Classical Comedy from Aristophanes to Broadway - (New Course)

Catalog Number: 69412

Francesca Schironi

Half course (fall term). M., W., at 10; W., 8–10. EXAM GROUP: 3



From Athenian political comedy to Terentian 'comedy of manners' and modern comedy. The course will explore the history and development of the genre of comedy and its modern reception, through the analysis of plays (read in translation) by Aristophanes, Menander, Plautus, Terence, Shakespeare, Machiavelli and Broadway shows based on classical models. Comedies by other authors such as Dryden, Molière, Von Keist, Giraudoux, Ionesco as well as theoretical essays on comedy by Bergson, Freud, Frye and others will also be analyzed.

[Classical Studies 165. Ancient Medicine]

Catalog Number: 2851

Mark Schiefsky

Half course (spring term). W., 2–4.

Theories and practices of health and healing in the ancient Greco-Roman world, with special emphasis on the relationship of learned medicine to philosophy and other healing traditions.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

Primarily for Graduates

[Classical Studies 221. Syria and Syrians under Greek Colonialism - \(New Course\)](#)

Catalog Number: 95007

Nathanael Andrade

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This graduate course introduces students from varying disciplines to the Hellenistic and Roman Near East. It examines the regional variations of Hellenism that the region produced.

Cross-listed Courses

[Aesthetic and Interpretive Understanding 21 (formerly Literature and Arts A-51). Virgil: Poetry and Reception]

[Aesthetic and Interpretive Understanding 33 \(formerly Classical Studies 154\). Ancient Fictions: The Ancient Novel in Context](#)

[Culture and Belief 17 (formerly Historical Studies B-06). Institutional Violence and Public Spectacle: The Case of the Roman Games]

[Culture and Belief 22. The Heroic and the Anti-Heroic in Classical Greek Civilization](#)

[Culture and Belief 35. Classical Mythology - \(New Course\)](#)

[*History 70f. Rule in Classical Antiquity - \(New Course\)](#)

[*History 80a (formerly *History 1051). Roman Imperialism]

[History 1011. The World of the Roman Empire - \(New Course\)](#)

[History of Science 106. History of Ancient Science](#)

[*History of Science 206r. The Continuum of Motion, Space and Change in Aristotle and the Aristotelian Tradition: Seminar - \(New Course\)](#)

[*History of Science 207r. Science, Philosophy and Religion in the Middle Ages and The Renaissance: Seminar - \(New Course\)](#)

[Literature and Arts C-61. The Rome of Augustus](#)

Courses of Reading and Research



Primarily for Undergraduates

***Classics 93r. Advanced Tutorial for Credit**

Catalog Number: 0511

Richard F. Thomas

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial instruction for course credit open to candidates for honors who are qualified to do special reading projects in Greek and/or Latin.

Note: May be counted for concentration.

Classics 98. Tutorial – Junior Year - (New Course)

Catalog Number: 31083

Richard F. Thomas and assistants

Half course (fall term; repeated spring term). Hours to be arranged.

Close study of a topic in Greco-Roman civilization and/or literature, culminating in the preparation of a substantial research paper (ca. 20 pages).

Note: Required of all concentrators in the junior year.

***Classics 99. Tutorial — Senior Year**

Catalog Number: 2350

Richard F. Thomas

Full course. Hours to be arranged.

Tutorial instruction for course credit (in addition to ordinary tutorial instruction) is open only to candidates for honors writing a thesis in their senior year whose applications for such instruction have been approved by the Director of Undergraduate Studies.

Note: May be counted for concentration. Divisible only with permission of the Director of Undergraduate Studies.

Primarily for Graduates

***Classics 300. Direction of Doctoral Dissertations**

Catalog Number: 4543

Kathleen M. Coleman 2289, Emma Dench 5243, John Duffy 1352, Susanne Ebbinghaus, Albert Henrichs 4085 (on leave spring term), Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), Nino Luraghi 2408, David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Jeremy Rau 4657 (on leave 2008-09), Betsey A. Robinson 4361, Panagiotis Roilos 1982 (on leave 2008-09), Mark Schiefsky 2354, Francesca Schironi 4878 (on leave spring term), Gisela Striker 2271, R. J. Tarrant 7503, Rabun Taylor 4253, Richard F. Thomas 1630, Benjamin Tipping 4875, and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Bettina Bergmann 6710, Kathleen M. Coleman 2289 (on leave 2009-10), Emma Dench 5243, John Duffy 1352, David F. Elmer 5574, Albert Henrichs 4085, Christopher P. Jones 3204 (on leave 2009-10), Christopher B. Krebs 4877, David G. Mitten 1290 (on leave fall term), Gregory Nagy 1423, Jeremy Rau 4657, Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky



2354 (on leave 2009-10), Francesca Schironi 4878, Gisela Striker 2271 (on leave spring term), R. J. Tarrant 7503, Richard F. Thomas 1630, Benjamin Tipping 4875, and Jan Ziolkowski 7275
Note: For graduate students whose individual needs are not met by the formal courses offered.

***Classics 302. Special Examinations Direction**

Catalog Number: 2686

Bettina Bergmann 6710, Shaye J.D. Cohen 4180, Kathleen M. Coleman 2289 (on leave 2009-10), Emma Dench 5243, John Duffy 1352, Susanne Ebbinghaus 5184, David F. Elmer 5574, James Hankins 1239 (on leave spring term), Albert Henrichs 4085, Christopher P. Jones 3204 (on leave 2009-10), Christopher B. Krebs 4877, Nino Luraghi 2408, David G. Mitten 1290 (on leave fall term), Gregory Nagy 1423, Jeremy Rau 4657, Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354 (on leave 2009-10), Francesca Schironi 4878, Gisela Striker 2271 (on leave spring term), R. J. Tarrant 7503, Rabun Taylor 4253, Richard F. Thomas 1630, Benjamin Tipping 4875, and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

Emma Dench 5243

Half course (fall term). M., 2–4.

Designed to introduce graduate students in Classical Philology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Philology. Open to other students by permission of instructor.

Greek

Students who have studied classical Greek previously should register at the FAS Exams Office (Office of the Registrar, 20 Garden Street) to take the Harvard placement test in Greek during Freshman Week. Further information on placement in Greek and on the language requirement is available from the Language Preceptor (Boylston Hall 225).

Primarily for Undergraduates

Greek Aa (formerly Greek A). Beginning Greek

Catalog Number: 0129

Ivy Livingston and assistants

Half course (fall term). M., W., Th., F. at 1. EXAM GROUP: 6, 15

For students with very little or no previous instruction in Greek. Introduction to Greek grammar and reading of sentences and short passages.

Note: No auditors. May be taken Pass/Fail. Students with more than one year of formal instruction should take the placement test in September and consult with Course Head before enrolling.

Greek Aab. Beginning Greek (Intensive)

Catalog Number: 0714



Ivy Livingston and assistant

Full course (spring term). M. through F., at 9, M., at 1. EXAM GROUP: 2, 11

For students with little or no previous instruction in Greek who are seriously interested in making very rapid progress. All basic grammar of the normal first-year sequence (Greek Aa and Ab) and practice in reading prose. Students are prepared for Greek Ba or Bb.

Note: No auditors. May be taken Pass/Fail. Students with more than one year of formal instruction should take the placement test in September and consult with the Course Head before enrolling.

Greek Ab (formerly Greek B). Beginning Greek

Catalog Number: 0457

Ivy Livingston and assistants

Half course (spring term). M., W., Th., F. at 1. EXAM GROUP: 6, 15

Continuation of Greek Aa. Completion of basic grammar and reading of longer passages.

Note: No auditors. May be taken pass/fail.

Prerequisite: Greek Aa or equivalent.

Greek Ac. Review and Reading

Catalog Number: 8283

Ivy Livingston and assistant

Half course (fall term). M., W., Th., F. at 9. EXAM GROUP: 2, 11

For students with more than one year of formal training in Greek who do not place into Greek Ba. The course will combine a review of morphology and syntax with readings from prose authors. Students are prepared for Greek Bb or Ba.

Note: No auditors. May be taken Pass/Fail.

Greek Ba (formerly Greek 3). Introduction to Attic Prose

Catalog Number: 4696

Ivy Livingston and assistant

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

A bridge between the study of Greek grammar and the reading of prose authors; intended to develop reading and translation skills and introduce prose styles.

Prerequisite: Greek Ab, Aab, Ac, or equivalent.

Greek Bb (formerly Greek 4). Selections from Homer's Iliad

Catalog Number: 3361

Ivy Livingston and assistant

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

An introduction to Homeric poetry: language, meter, formulae, and type scenes.

Prerequisite: Greek Ab, Aab, Ac, or equivalent.

[Greek Bbm. Introduction to Late Antique and Mediaeval/Byzantine Poetry]

Catalog Number: 9131

Ivy Livingston and members of the Department

Half course (spring term). M., W., F., at 10.

Greek poetry from Late Antiquity to Byzantium. Readings will correspond to interests of



participants. Review of grammar, syntax, and linguistic developments in post-classical Greek.

Note: Expected to be given in 2010–11.

Prerequisite: Greek Ba, Ac, or permission of the instructor.

For Undergraduates and Graduates

Greek H. Introductory Greek Prose Composition

Catalog Number: 6323

Ivy Livingston and assistant

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Practice in the translation of sentences and connected prose passages into Attic Greek; review of forms and syntax; readings of selections from prose authors.

Prerequisite: Greek Ba or equivalent.

[Greek K. Advanced Greek Prose Composition]

Catalog Number: 4171

Instructor to be determined

Half course (spring term). M., 2–4.

Composition in the prose style of various authors and genres, with selected readings representing the development of Greek prose and its analysis by scholars, ancient and modern.

Note: Expected to be given in 2010–11.

Prerequisite: Greek H or equivalent.

Greek 102. Attic Orators

Catalog Number: 3103

Timothy Gordon Barnes

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Athenian speeches honoring the city's fallen warriors, read against their historical and cultural background, with emphasis on Attic syntax and on the conventions of encomiastic prose style. The selection includes the *logoi epitaphioi* ascribed to Lysias, Demosthenes and Hypereides, as well as Perikles' funeral oration as reported by Thukydides.

Greek 105. Attic Comedy

Catalog Number: 1969

Albert Henrichs

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to the conventions of Old and New Comedy with emphasis on genre, performance and Athenian society. Close readings of Aristophanes' *Clouds* and Menander's *Samia*.

Greek 110r. Plato, Symposium

Catalog Number: 6229

David F. Elmer

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Close reading of Plato's *Symposium* focusing on literary aspects of the work.



Greek 112a. History of Greek Literature I

Catalog Number: 3052

David F. Elmer and assistant

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A survey of early Greek poetry and prose, with readings from Homer, Hesiod, the Homeric Hymns, lyric poetry, and Herodotus. Discussions of genre in relation to performance, historical contexts, thematic (dis)continuities, oral tradition.

Greek 112b. History of Greek Literature II

Catalog Number: 6889

Albert Henrichs and assistant

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

A genre-oriented exploration of the poetry and prose produced in classical Athens, including drama, non-dramatic poetry, political and forensic speech-writing, historiography, and philosophical prose. The principal focus will be on the interrelationship between the various genres and the societal and cultural institutions that shaped them. Key concepts are occasion and performance, orality and literacy, as well as author and audience.

Greek 134. The Language of Homer

Catalog Number: 5139

Jeremy Rau

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Essentials of Greek comparative and historical grammar, and a close reading of *Iliad* 1 and 3. Diachronic aspects of Homeric grammar and diction.

Cross-listed Courses

Culture and Belief 22. The Heroic and the Anti-Heroic in Classical Greek Civilization

[Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

***Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar**

Primarily for Graduates

***Greek 201. Reading Greek**

Catalog Number: 1968

David F. Elmer

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Readings of Greek prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic, and generic features.

Note: Intended for graduate students in Classical Philology as preparation for the general examinations. Texts to be selected from the reading list by participants.

Cross-listed Courses



[Comparative Literature 210. The Politics of Writing: From Historical Novel to Historiographic Metafiction]

Latin

Students who have studied Latin previously and have not taken the Advanced Placement Test or SAT II should contact the FAS Exams Office (Office of the Registrar, 20 Garden Street) to take the Harvard Latin Placement Test during Freshman Week. No one who has studied one year or more of Latin will be admitted to Latin Aa without taking the placement test. Further information on placement in Latin and the language requirement is available from the Language Preceptor (Boylston Hall 225), or the Freshman Dean's Office.

Primarily for Undergraduates

Latin Aa (formerly Latin A). Beginning Latin

Catalog Number: 4759

Ivy Livingston and assistants

Half course (fall term). Sections: M., W. through F., at 9; M., W. through F., at 10; M., W. through F., at 1. EXAM GROUP: 2, 11

For students with very little or no previous instruction in Latin. Introduction to Latin grammar and reading of sentences and short passages.

Note: No auditors. May be taken pass/fail. Students with more than one year of formal instruction should take the Placement test in September and consult with the Course Head before enrolling.

Latin Aab. Beginning Latin (Intensive)

Catalog Number: 7111

Ivy Livingston and assistant

Full course (fall term). M., through F., at 10, M., at 1. EXAM GROUP: 3, 12

For students with little or no previous instruction in Latin who are seriously interested in making very rapid progress. All basic grammar of the normal first-year sequence (Latin Aa and Ab) and practice in reading prose. Students are prepared for Latin Ba, Bb, Bam, or Bbm.

Note: No auditors. May be taken pass/fail. Students with more than one year of formal instruction should take the Placement test in September and consult with the Course Head before enrolling. This course will only be offered in the fall term.

Latin Ab (formerly Latin B). Beginning Latin

Catalog Number: 2101

Ivy Livingston and assistants

Half course (spring term). Section I: M., W., Th., F., at 9; Section II: M., W., Th., F., at 10; Section III: M., W., Th., F., at 1. EXAM GROUP: 2, 11

Continuation of Latin Aa. Completion of basic grammar and reading of longer passages.

Note: No auditors. May be taken Pass/Fail.

Prerequisite: Latin Aa or equivalent.



Latin Ac. Review and Reading

Catalog Number: 7033

Ivy Livingston and assistant

Half course (fall term). M., W., Th., F. at 9. EXAM GROUP: 2, 11

For students with more than one year of formal training in Latin who do not place into Latin Ba.

The course will combine a review of morphology and syntax with readings from prose authors.

Students are prepared for Latin Ba or Bb.

Note: No auditors. May be taken Pass/Fail.

Latin Ba (formerly Latin 3). Latin Prose Selections (Classical)

Catalog Number: 2344

Ivy Livingston and assistant

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A bridge between the study of Latin grammar and the reading of prose authors; intended to develop reading and translation skills and introduce prose styles. The readings are short selections from a variety of genres by authors such as Cicero, Pliny, Nepos, Sallust, and Petronius.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin Bam (formerly Latin 3m). Latin Prose Selections (Late Antique and Medieval)

Catalog Number: 7123

Jan Ziolkowski and assistant

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Begins with a review of fundamentals. Aims at increased facility in reading Latin, through a study of selected post-classical prose texts and authors such as the Vulgate Bible, Augustine, and Abelard.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin Bb (formerly Latin 4). Introduction to Latin Poetry (Classical)

Catalog Number: 2488

Ivy Livingston and assistant

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Reading of selections of Latin poetry and introduction to meter.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin Bbm (formerly Latin 4m). Introduction to Latin Poetry (Late Antique and Medieval)

Catalog Number: 2096

Jan Ziolkowski and assistant

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Selections from epic and lyric.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

For Undergraduates and Graduates

Latin H. Introductory Latin Prose Composition

Catalog Number: 3814



Ivy Livingston and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Systematic review of Latin syntax and translation of sentences and connected prose passages from English into Latin.

Prerequisite: Latin Ba or equivalent.

Latin K. Advanced Latin Prose Composition

Catalog Number: 5018

Richard F. Thomas

Half course (spring term). M., 3–5.

Exercise in the prose style of different authors and periods, working within various subject-areas and genres. As a guide to composition, we will read and analyze illustrative passages from major authors, including Cato, Cicero, Sallust, Livy, Seneca, and Tacitus, as well as some distinctive styles in lesser-known authors.

Latin 100. Roman Satire

Catalog Number: 0595

Christopher B. Krebs

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Readings from the satires of Horace, Persius and Juvenal with attention to its status as genre, the development of this genre, and with consideration of each author in his literary, social, and cultural context.

Latin 102a. Catullus and Horace - (New Course)

Catalog Number: 12148

Benjamin Tipping

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Literary and historical interpretation of poetry by Catullus and Horace.

Latin 106b. Virgil: Aeneid

Catalog Number: 7069

Richard F. Thomas

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Reading and discussion of Virgil's *Aeneid*, with attention to its place in the epic tradition and its status as a work of Augustan literature.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Latin 109. Lucan's De Bello Civili

Catalog Number: 2672

Benjamin Tipping

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Reading of Lucan's *De bello civili*, with a focus on its central figures, Caesar, Pompey, and Cato, and on the relationship between its poetics and its politics.



Latin 112a. History of Latin Literature I

Catalog Number: 7099

R. J. Tarrant and assistant

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

The literature of the Republic and early Augustan period. Reading of extensive selections from the major authors, with lectures and discussion on the evolution and development of Latin prose and poetry. The course focuses on a variety of issues: Latin individuality through manipulation of inherited Greek forms, metrical and stylistic developments, evolving poetics, intertextuality and genre renewal, dynamic effects of social and political contexts.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

Benjamin Tipping and assistant

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Readings from the literature of the late republic/early empire, with a focus on developments in genre and on historical context.

Latin 131. Cicero, *De Officiis*

Catalog Number: 70203

Gisela Striker

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

For centuries after his death, Cicero was mainly known as a philosopher rather than as a statesman and orator. The most influential of his philosophical treatises was the *De Officiis*, a standard text on the curriculum until the end of the 18th century. In this course we will read and discuss selected passages from all three books, with an emphasis Cicero's account of Stoic ethics.

Latin 132. Cicero Orations and Rhetorica - (New Course)

Catalog Number: 85183

Timothy Gordon Barnes

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Introduction to the theory and practice of oratory in late republican Rome. The course examines the formation of the actual and the ideal orator, as evidenced by the early speeches and in the theoretical works. Readings in Latin from selected court speeches, the —*De oratore*— and —*Brutus*—.

Latin 134. Archaic Latin

Catalog Number: 1327

Jeremy Rau

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Essentials of Latin comparative and historical grammar, with readings of early Latin inscriptions, legal texts, and selections from Livius Andronicus, Plautus, Ennius, and Cato.

Cross-listed Courses



[Aesthetic and Interpretive Understanding 21 (formerly Literature and Arts A-51). Virgil: Poetry and Reception]

[*History 80a (formerly *History 1051). Roman Imperialism]

Literature and Arts C-61. The Rome of Augustus

Primarily for Graduates

***Latin 201. Reading Latin**

Catalog Number: 7642

Christopher B. Krebs

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Readings of Latin prose and poetry ranging from archaic to imperial, with emphasis on variety, quantity, and quick comprehension of syntactic, stylistic, and generic features.

Note: Intended for graduate students in Classical Philology as preparation for the general examinations.

Classical Philology

Primarily for Graduates

Classical Philology 225. Pindar - (New Course)

Catalog Number: 33456

Gregory Nagy

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The research projects of this seminar will center on the poetics (e.g. meter, diction, style) and historical contexts (e.g. local traditions, patronage, transmission) of surviving texts attributed to Pindar.

Classical Philology 226. Memories of the Roman Republic - (New Course)

Catalog Number: 68621

Emma Dench

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An exploration of the ways in which the Roman Republican past was constructed both in antiquity and in modern historiography, with particular attention to narrative tendencies, turning points, individuals, and political shapes.

Classical Philology 227. Latin Lexicography - (New Course)

Catalog Number: 48563

Christopher B. Krebs

Half course (fall term). M., 4–6. EXAM GROUP: 9

Introduction into the history and the workings of the *Thesaurus Linguae Latinae* in the broader context of lexicography and semantics. We will begin by studying TLL articles with an eye to their structure, abbreviations, and symbols, and then compare the variant lexicographical approaches of the early, middle, and later volumes. Participants will subsequently undertake lexicographical work on selected passages and will thereby be involved in the writing of articles.



Note: Upon successful completion of the course participants may apply for a summer fellowship at the TLL in Munich.

Classical Philology 229. Virgil and Horace and their 17th and 18th Century Reception - (New Course)

Catalog Number: 38075

Richard F. Thomas

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The seminar will focus on both the poetry of Virgil and Horace in their Augustan context and on the creative reception in these centuries, with particular attention to English receivers. Topics will include: development of genres, translation theory and practice, ideological contestation, and aesthetics in literature, art and music. Focus on Jonson, Rubens, Marvell, Milton, Dryden, Purcell, Swift, Pope, Thomson, Crabbe, and others.

Note: Open to graduate students from other departments with at least two years of college Latin.

Classical Philology 230. Aristarchus and Alexandrian Scholarship - (New Course)

Catalog Number: 84978

Francesca Schironi

Half course (spring term). W., 4–6. EXAM GROUP: 9

This graduate seminar will focus on Aristarchus' scholarship on the *Iliad* as it is preserved in the Homeric Scholia. Aristarchus' activity will be also put in the larger context of Hellenistic and Roman scholarship and grammar.

Classical Philology 277. Latin Palaeography - (New Course)

Catalog Number: 61297

R. J. Tarrant

Half course (fall term). W., 4–6. EXAM GROUP: 9

The evolution of Latin script from antiquity to the rise of print, with emphasis on periods and types of script important for the transmission of classical Latin literature.

Cross-listed Courses

[Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

***Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar**

Classical Archaeology

Primarily for Undergraduates

Classical Archaeology 97r. Classical Archaeology

Catalog Number: 3132

Bettina Bergmann

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Required for concentrators in Classical Archaeology. Letter-graded.



For Undergraduates and Graduates

[Classical Archaeology 140. Art of the Ancient Greek Theater - \(New Course\)](#)

Catalog Number: 95798

Bettina Bergmann

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Representations of theatrical motifs and events on Greek vases, mosaics, reliefs, and other arts have traditionally been studied as potential illustrations of actual performances (logistics of production, costume and stage design, the roles of playwright, actor, and audience). In fact most show far more complex relationships to the ancient stage. The course considers the nature of these relationships in part by imagining the images within their physical and social contexts.

[Classical Archaeology 141. Love and Metamorphosis: Storytelling in Roman Art - \(New Course\)](#)

Catalog Number: 44276

Bettina Bergmann

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Parallels abound among the stories narrated by Latin poets and represented by Roman artisans, but the variety and nature of the correspondences remain elusive. The course examines the most popular mythical love tales in Roman art and compares them with narratives in literature and performance.

Cross-listed Courses

[History of Art and Architecture 131g. Pergamon: A Hellenistic Royal Residence and its Roman Afterlife]

[History of Art and Architecture 139x. Art and Life in Pompeii - Proseminar]

Primarily for Graduates

[Classical Archaeology 240. Representing the World: Mapping, Landscape, and Cityscape in Roman Art - \(New Course\)](#)

Catalog Number: 59383

Bettina Bergmann

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An interdisciplinary exploration of visual representations of the environment from the republic to late antiquity. Focusing upon typical sites such as city, villa, ocean, and grove, the course assesses the scientific, artistic, and literary techniques used and addresses concepts of realism, the pastoral, and the imperial gaze in various media and contexts across the empire.

Cross-listed Courses

[History of Art and Architecture 235g. The Roman House as Enlivened Space]

Graduate Course of Reading and Research



***Classical Archaeology 351. Classical Archaeology: Proseminar**

Catalog Number: 5073

Richard F. Thomas 1630

Half course (fall term). Hours to be arranged.

Designed to introduce graduate students in Classical Archaeology to the essential fields, tools, and methodologies of the discipline.

Note: For first-year students working toward the PhD in Classical Archaeology. Open to other students by permission of the instructor.

Medieval Greek

For Undergraduates and Graduates

Medieval Greek 115ar. Introduction to Byzantine Greek

Catalog Number: 7682

John Duffy

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Introduces the student to medieval Greek language and literature and, through selected readings, to important elements of Byzantine culture and society. Texts chosen from different genres and periods to reflect the great diversity of Byzantine life and letters. Types of literature will include: devotional reading, biographies, chronicles, sacred and secular poetry, letters, ecphrasis, scholarly writings, and histories. Choice of readings will correspond in part to the specific interests and needs of the participants.

Prerequisite: Greek A and B or equivalent.

[Medieval Greek 125. Byzantine Religious Tales]

Catalog Number: 3317

John Duffy

Half course (spring term). Tu., Th., at 10.

Reading a selection from the corpus of Byzantine religious tales and legends, including some that went on to have fruitful careers in Medieval Latin and other languages. Examples: The Jewish Boy Legend; The Sinner's Vision; The Drunken Nun; Boys Celebrating the Eucharist; The Heretical Businessman.

Note: Expected to be given in 2010–11.

Medieval Greek 185. Workshop in Greek Palaeography

Catalog Number: 3271

John Duffy

Half course (spring term). M., 4–6. EXAM GROUP: 9

A practical introduction to medieval Greek handwriting and manuscripts, tracing the main developments of Greek scripts from the uncial of fourth century texts to scholarly hands of the sixteenth century. Special emphasis on practical skills. Participants will learn to distinguish the major styles of handwriting, to recognize the most common abbreviations and ligatures, and to read with some facility minuscule hands, especially those of the eleventh–sixteenth century. Manuscripts of Classical, Christian, and Byzantine authors explored.



Medieval Greek 195. Byzantine Saints' Lives of the 7th Century

Catalog Number: 6329

John Duffy

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Before the onset of the “Dark Age” Byzantine hagiography experienced a flourishing period in the late 6th and early 7th century. This course will examine the lives of Theodore of Sykeon, John the Almsgiver, and Symeon Salos, written in the early decades of the 7th century and presenting the activities of holy men in both rural and urban settings.

Cross Listed Courses

Medieval Latin

For Undergraduates and Graduates

Medieval Latin 105 (formerly Medieval Latin 205). The Waltharius

Catalog Number: 9120

Jan Ziolkowski

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Studies a poem about an early Germanic hero, Walter of Aquitaine. Considers problems connected with the poem, from date and authorship to its essential meanings. Seeks to relate poem to both Germanic and Latin contexts, with attention to versions in other languages (in translation) and to sources and analogues in classical and Christian Latin literature.

Medieval Latin 110. Latin Literature of the Twelfth Century - (New Course)

Catalog Number: 26464

Bridget Kennedy Balint

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

In the late eleventh century, Latin texts began to express a new fascination with human nature. Whether describing or prescribing human social relations, intellectual formation, or the place of humanity in the cosmos, writers took great pleasure in literal and figurative explorations of the *natura hominis*. This course will consider several facets of humanism as reflected in the Latin poetry and prose of the long twelfth century. Topics will include the state of learning and literary culture, responses to classical texts, friendship, patronage, the literary persona, and the controversial use of poetry as a vehicle for philosophical speculation.

Note: No prior experience with Medieval Latin necessary.

[Medieval Latin 115. The Cambridge Songs and Medieval Lyric]

Catalog Number: 9054

Jan Ziolkowski

Half course (spring term). Tu., 2–4.

Explores a renowned lyric collection that brings together verse composed in medieval Germany, France, and Italy, as well as excerpts from Latin poetry of classical antiquity and late antiquity. Examines questions of genre (panegyric, dirges, occasional poems, comic tales, didactic, spring poems, love poems, and religious poems), of meter, of relations between text and music, of



manuscripts, and of anthologizing.

Note: Expected to be given in 2010–11. No prior experience with Medieval Latin necessary.

Cross-listed Courses

[History of Science 297r. Topics in the History of Medieval Latin Science](#)

[Latin Bam \(formerly Latin 3m\). Latin Prose Selections \(Late Antique and Medieval\)](#)

[Latin Bbm \(formerly Latin 4m\). Introduction to Latin Poetry \(Late Antique and Medieval\)](#)

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

[*Medieval Studies 202 (formerly *Medieval Studies 102). Latin Palaeography and Manuscript Culture: Seminar]

[*Medieval Studies 280 \(formerly *Comparative Literature 280\). Literary Theory and Criticism in the Middle Ages: Seminar](#)

Modern Greek

Students interested in the Modern Greek Studies Program are encouraged to contact the Director of the Program, Prof. Panagiotis Roilos (roilos@fas.harvard.edu).

For Undergraduates and Graduates

Modern Greek A. Elementary Modern Greek

Catalog Number: 8604

Vassiliki Rapti

Full course. M., W., F., at 12, and an additional hour for conversation. EXAM GROUP: Spring: 5

For students with no knowledge of modern Greek. Basic oral expression, listening comprehension, grammar, reading, and writing. Language instruction is supplemented by reading of simple literary passages and other texts.

Modern Greek B. Intermediate Modern Greek: Language and Civilization

Catalog Number: 8187

Vassiliki Rapti

Full course. M., W., F., at 11. EXAM GROUP: 4

Aims at further development of skills in speaking, comprehension, reading, and writing. Selected readings in prose (literary and journalistic), poetry, folksongs, modern music, and theater serve as an introduction to aspects of modern Greek literature and culture. The second term is conducted in Greek and focuses on topics selected by the instructor and the students in the first term. Grammar is reviewed in the context of readings.

Prerequisite: An elementary knowledge of modern Greek (equivalent to that of Modern Greek A).



***Modern Greek 100. Advanced Modern Greek: Introduction to Modern Greek Literature**

Catalog Number: 8487

Panagiotis Roilos

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Literary, sociocultural, and linguistic analysis of selected readings in prose, poetry, orally transmitted songs and folktales.

Note: Conducted in Greek.

Prerequisite: Modern Greek B or equivalent and permission of instructor.

[Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature]

Catalog Number: 8412

Panagiotis Roilos

Half course (fall term). Tu., 1–3.

Against the dual background of ancient and medieval commentaries on the one hand, and modern psychoanalytic and ethnographic studies on the other, diverse literary texts will be explored. The major focus will be on Greek literature, but examples from other European literatures will also be considered (including film). Major topics: typology of dreams; dreams as narratives; dreaming and writing; religious dimensions. Theoretical readings to include: Aristotle, Aelius Aristides, Artemidorus, Synesius of Cyrene; Freud, Jung, Levi-Strauss, Foucault, Lyotard.

Note: Expected to be given in 2010–11. Students who have previously taken Comparative Literature 145, Dreams and Literature, may not take this course for credit.

Modern Greek 146. The Greek Novel - (New Course)

Catalog Number: 64002

Panagiotis Roilos

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines the development of the genre of the novel from late antiquity to Greek postmodernism. Medieval Greek and modern Western European examples will also be explored.

Primarily for Graduates

Modern Greek 202. Modern Greek Oral Literature: Interdisciplinary and Comparative Perspectives - (New Course)

Catalog Number: 88015

Panagiotis Roilos

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the interaction of orality and literacy in premodern Greek societies, with an emphasis on the performative and ritual contexts of oral traditional literature. Ethnographic examples from other cultures will also be discussed.

[Modern Greek 205. C.P. Cavafy: European Modernism and the Poetics of Desire]

Catalog Number: 2021

Panagiotis Roilos

Half course (fall term). W., 1–3.

Studies the development of Cavafy's poetics and its connections with the broader sociocultural



context of European aestheticism and modernism. Focuses on the articulation of desire and on current debates in gender studies and psychoanalytic theory.

Note: Expected to be given in 2010–11.

Cross-listed Courses

[Comparative Literature 266. Irony]

[Comparative Literature 288. Antiquity and Beyond: Modern Critical Theory and the Classics](#)

Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The Department of Comparative Literature has merged with the Committee on Degrees in Literature to form the Department of Literature and Comparative Literature. Please see the Department of Literature and Comparative Literature.

Computer Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the School of Engineering and Applied Sciences Offering Instruction in Computer Science

David M. Brooks, Gordon McKay Professor of Computer Science

Yiling Chen, Assistant Professor of Computer Science

Stephen N. Chong, Assistant Professor of Computer Science

Krzysztof Z. Gajos, Assistant Professor of Computer Science

Steven J. Gortler, Robert I. Goldman Professor of Computer Science (*Director of Undergraduate Studies*)

Barbara J. Grosz, Higgins Professor of Natural Sciences (FAS), Dean of the Radcliffe Institute for Advanced Studies (*Radcliffe*)



H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*on leave spring term*)
 Henry H. Leitner, Senior Lecturer on Computer Science
 Harry R. Lewis, Gordon McKay Professor of Computer Science
 David J. Malan, Lecturer on Computer Science
 Michael D. Mitzenmacher, Gordon McKay Professor of Computer Science
 John G. Morrisett, Allen B. Cutting Professor of Computer Science
 Radhika Nagpal, Thomas D. Cabot Associate Professor of Computer Science (*fall term only*)
 David C. Parkes, Gordon McKay Professor of Computer Science
 Hanspeter Pfister, Gordon McKay Professor of the Practice of Computer Science
 Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science
 Margo I. Seltzer, Harvard College Professor, Herchel Smith Professor of Computer Science
 Stuart M. Shieber, James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
 Michael D. Smith, John H. Finley, Jr. Professor of Engineering and Applied Sciences (FAS),
 Dean of the Faculty of Arts and Sciences
 Salil P. Vadhan, Vicky Joseph Professor of Computer Science and Applied Mathematics
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 James H. Waldo, Gordon McKay Professor of the Practice of Computer Science
 Matthew D. Welsh, Thomas D. Cabot Associate Professor of Applied Science

Other Faculty Offering Instruction in Computer Science

Gu-yeon Wei, Gordon McKay Professor of Electrical Engineering and Computer Science
 Todd Zickler, John L. Loeb Associate Professor of the Natural Sciences

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.

Primarily for Undergraduates

For information concerning concentration in Computer Science please consult the Director of Undergraduate Studies or the Academic Office, School of Engineering and Applied Sciences, Pierce Hall 110. The Applied Mathematics and Engineering Sciences sections of the catalog should be consulted for additional courses relevant to computer science.

Computer Science 1. Great Ideas in Computer Science

Catalog Number: 6903

Henry H. Leitner

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

An introduction to the most important discoveries and intellectual paradigms in computer science, designed for students with little or no previous background. Explores problem-solving



using high and low-level programming languages; presents an integrated view of computer systems, from switching circuits up through compilers and GUI design. Examines theoretical and practical limitations related to unsolvable and intractable computational problems, and the social and ethical dilemmas presented by such issues as software unreliability and invasions of privacy.

Note: May not be taken for credit after completing Computer Science 50. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Computer Science 50. Introduction to Computer Science I

Catalog Number: 4949

David J. Malan

Half course (fall term). M., W., 1-2:30, and a weekly section. EXAM GROUP: 6, 7

Introduction to the intellectual enterprises of computer science and the art of programming. This course teaches students how to think algorithmically and solve problems efficiently. Topics include abstraction, encapsulation, data structures, databases, memory management, software development, virtualization, and websites. Languages include C, PHP, and JavaScript plus SQL, CSS, and XHTML. Problem sets inspired by real-world domains of biology, cryptography, finance, forensics, and gaming. Designed for concentrators and non-concentrators alike, with or without prior programming experience.

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning. This course will also meet F, 1-2:30pm on 9/4/09 and 9/11/09 only. Students with conflicts should watch those lectures online.

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

John G. Morrisett

Half course (spring term). Tu., Th., 1-2:30, and an additional 90-minute section to be arranged. EXAM GROUP: 15, 16

Abstraction and design in computation. Topics include: Functional and object-oriented styles of programming; software engineering in the small; models of computation. Goal: understanding how to design large programs to make them readable, maintainable, efficient, and elegant. Exercises in ML and Java.

Prerequisite: Computer Science 50 or equivalent.

Computer Science 61 (formerly Computer Science 160). Systems Programming and Machine Organization

Catalog Number: 3461

Matthew D. Welsh

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Fundamentals of computer systems programming, machine organization, and performance tuning. This course provides a solid background in systems programming and a deep understanding of low-level machine organization and design. Topics include C and assembly language programming, program optimization, memory hierarchy and caching, virtual memory and dynamic memory management, concurrency, threads, and synchronization.

Prerequisite: CS50 or some experience programming in C.

***Computer Science 91r. Supervised Reading and Research**

Catalog Number: 0361

*Steven J. Gortler**Half course (fall term; repeated spring term). Hours to be arranged.*

Supervised individual study of advanced topics in computer science. A student wishing to enroll in Computer Science 91r must be accepted by a faculty member who will supervise the course work. A form available from the Academic Office, Pierce Hall 110, must be filled out and signed by the student and faculty supervisor. Students writing theses may enroll in this course while conducting thesis research and writing.

Note: At most two terms of Computer Science 91r may be taken for academic credit. May not be taken Pass/Fail. Students wishing more information about the range of suitable projects or faculty supervisors should consult the Director of Undergraduate Studies.

For Undergraduates and Graduates**[Computer Science 105 (formerly Computer Science 199r). Privacy and Technology]**

Catalog Number: 9751

*Michael D. Smith and James H. Waldo**Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 16*

What is privacy, and how is it affected by recent developments in computer technology? Course critically examines popular concepts of privacy and uses a rigorous analysis of technologies to understand the policy and ethical issues at play. Case studies: RFID, database anonymity, research ethics, wiretapping. Course relies on some technical material, but is open and accessible to all students, especially those with interest in economics, engineering, political science, computer science, sociology, biology, law, government, philosophy.

Note: Expected to be given in 2010–11. Expected to be given in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement Social Analysis.

[Computer Science 120. Introduction to Cryptography]

Catalog Number: 5911

*Salil P. Vadhan**Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17*

Algorithms to guarantee privacy and authenticity of data during communication and computation. Rigorous proofs of security based on precise definitions and assumptions. Topics may include one-way functions, private-key and public-key encryption, digital signatures, pseudorandom generators, higher-level protocols such as electronic cash, and the role of cryptography in network and systems security.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 121 or Computer Science 124.

Computer Science 121. Introduction to Formal Systems and Computation

Catalog Number: 0669

*Harry R. Lewis**Half course (fall term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13*

General introduction to formal systems and the theory of computation, teaching how to reason



precisely about computation and prove mathematical theorems about its capabilities and limitations. Finite automata, Turing machines, formal languages, computability, uncomputability, computational complexity, and the P vs. NP question.

Computer Science 124. Data Structures and Algorithms

Catalog Number: 5207

Michael D. Mitzenmacher

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Design and analysis of efficient algorithms and data structures. Algorithm design methods, graph algorithms, approximation algorithms, and randomized algorithms are covered.

Prerequisite: Computer Science 50 or equivalent; Computer Science 51 is helpful. Some exposure to discrete applied mathematics, such as Applied Mathematics 106 or 107 or Computer Science 121 or Statistics 110, is also helpful.

Computer Science 141. Computing Hardware

Catalog Number: 4357

David M. Brooks

Half course (fall term). M., W., 1-2:30, and a two-hour weekly laboratory. EXAM GROUP: 6, 7

Introduction to the design, structure, and operation of digital computers; logic circuits and digital electronics; computer arithmetic; computer architecture; and machine language programming.

Consideration of the design interactions between hardware and software systems.

Prerequisite: Programming experience required.

[Computer Science 143. Computer Networks]

Catalog Number: 6401

H. T. Kung

Half course (spring term). M., W., 1–2:30.

Principles, design, implementation, and performance of computer networks. Topics include: Internet protocols and routing, local area networks, TCP, performance analysis, congestion control, network address translation, voice and video over IP, switching and routing, mobile IP, peer-to-peer overlay networks, network security, and other current research topics. Programming assignments on protocol implementation and analysis.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 51 and 61.

Computer Science 144r. Networks Design Projects

Catalog Number: 5415

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Cooperative design and development of advanced network-based systems with both technology and business considerations. Students will work in 2 person teams. Student work will include reading assignments, homework sets, a project proposal, and project reports and presentations. At the end of the class, all teams will defend their approaches and results in front of the class and invited guests.

Note: Preference given to upper-class undergraduates or graduate students in computer science



or in business.

Prerequisite: Computer Science 143 or equivalent experience.

***Computer Science 148. Design of VLSI Circuits and Systems**

Catalog Number: 1772 Enrollment: Limited to 16.

Gu-yeon Wei

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presentation of concepts and techniques for the design and fabrication of VLSI systems and digital MOS integrated circuits. Topics include: basic semiconductor theory; MOS transistors and digital MOS circuits design; synchronous machines, clocking, and timing issues; high-level description and modeling of VLSI systems; synthesis and place and route design flows; and testing of VLSI circuits and systems. Various CAD tools for design, simulation, and verification are extensively used.

Prerequisite: Computer Science 141 or permission of instructor.

Computer Science 152. Programming Languages

Catalog Number: 6841

Stephen N. Chong

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Comprehensive introduction to the principal features and overall design of both traditional and modern programming languages, including syntax, formal semantics, abstraction mechanisms, modularity, type systems, naming, polymorphism, closures, continuations, and concurrency. Provides the intellectual tools needed to design, evaluate, choose, and use programming languages.

Prerequisite: Computer Science 51; Computer Science 121 is recommended. Students must have good programming skills, be comfortable with recursion, basic mathematical ideas and notations.

Computer Science 153. Compilers

Catalog Number: 2842

John G. Morrisett

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Implementation of efficient interpreters and compilers for programming languages. Associated algorithms and pragmatic issues. Emphasizes practical applications including those outside of programming languages proper. Also shows relationships to programming-language theory and design. Participants build a working compiler including lexical analysis, parsing, type checking, code generation, and register allocation. Exposure to run-time issues and optimization.

Prerequisite: Computer Science 51 or 61.

[Computer Science 161. Operating Systems]

Catalog Number: 4347

Margo I. Seltzer

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The fundamental principles of resource management and abstraction in modern operating systems. Control abstractions: threads, processes, scheduling, synchronization. Storage abstractions: dynamic memory allocation, virtual memory, file system design. Communication abstractions: interprocess communication, networking. Case studies. Design and implementation



of parts of a multiuser multitasking virtual-memory operating system.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 51 and 61.

Computer Science 165. Information Management

Catalog Number: 0560

Margo I. Seltzer

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Covers the fundamental concepts of database and information management. Data models: relational, object-oriented, and other; implementation techniques of database management systems, such as indexing structures, concurrency control, recovery, and query processing; management of unstructured data; terabyte-scale databases.

Prerequisite: Computer Science 51.

Computer Science 171. Visualization

Catalog Number: 8877

Hanspeter Pfister

Half course (spring term). M., W., 1–2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

Introduction to key design principles and techniques for visualizing data. Covers design practices, data and image models, visual perception, interaction principles, tools from various fields, and applications. Introduces programming of interactive visualizations.

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Computer Science 50 or equivalent programmin experience. Exceptions by permission of the instructor.

Computer Science 175. Computer Graphics

Catalog Number: 3771

Steven J. Gortler

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

The computational aspects of computer graphics. Two major themes are image rendering (viewing transformations, clipping, visible-surface processing, raster algorithms, reflection models, lighting models, surface shading, antialiasing, ray tracing, radiosity, and volume rendering) and scene modeling (modeling transformations, curves and surfaces, texture mapping, data-amplification techniques, constructive solid geometry, scalar- and vector-field data, and animation). Ancillary topics include color compression, image compression, image compositing, graphical user interfaces, and special machine architectures for computer graphics.

Prerequisite: Computer Science 51, Applied Mathematics 21b or Mathematics 21b.

***Computer Science 179. Design of Usable Interactive Systems**

Catalog Number: 4052 Enrollment: Limited to 36.

Krzysztof Z. Gajos

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Usability and design as keys to successful technology. Covers user observation techniques, needs assessment, low and high fidelity prototyping, usability testing methods, as well as theory of



human perception and performance, and design best practices. Focuses on understanding and applying the lessons of human interaction to the design of usable systems; will also look at lessons to be learned from less usable systems. The course includes several small and one large project.

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Catalog Number: 6454

David C. Parkes

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to artificial intelligence, focusing on problems of perception, machine learning and reasoning under uncertainty. Supervised learning algorithms. Neural networks and applications to character recognition. Statistical pattern recognition. Bayesian networks: representation, inference and learning. Hidden Markov models and applications to speech recognition. Markov decision processes and reinforcement learning.

Prerequisite: Computer Science 51 and Computer Science 121. Statistics 110 is recommended.

Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans

Catalog Number: 0134

Radhika Nagpal

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to AI, focused on problems in reasoning about action and rational decision making. Search: constraint satisfaction; informed search and optimization; game playing. Knowledge representation and logical inference. Planning: representation, search and heuristics. Bounded rationality, situated agents. Multiagent systems. Discussion of relevant work in philosophy, economics, and decision theory. Applications to scheduling, robotics and e-commerce.

Prerequisite: Computer Science 51; Computer Science 121 (may be taken concurrently).

[Computer Science 187. Computational Linguistics]

Catalog Number: 0249

Stuart M. Shieber

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Introduction to computational linguistics, the study of human language using the tools and techniques of computer science, with applications to a variety of natural-language-processing problems. Representing syntactic structure: context-free, augmented context-free, and trans-context-free grammars. Representing semantic structure: first-order and higher-order logics. Computing with syntactic and semantic representations: Prolog programming; parsing and generation algorithms. Low-level language processing with finite-state methods.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 121.

[*Computer Science 199r. Special Topics in Computer Science]

Catalog Number: 4242

Radhika Nagpal

Half course (spring term). F., 1–4.

Robotic Systems Design: Building autonomous robotic systems requires understanding how to make robots that observe, reason, and act. The fundamentals behind each of these components



requires an understanding of different engineering principles: how to fuse, multiple noisy sensor inputs; how to balance short-term versus long-term goals; how to control one's actions and reliably manipulate objects. In this class we will study these questions in the context of a semester-long project to develop autonomous robot soccer teams.

Note: Expected to be given in 2010–11. The class format will mix seminar and lab formats.

Limited enrollment: 18; Preference will be given to undergraduate students with previous experience in robot soccer, and robotics.

Primarily for Graduates

Computer Science 220r. Cryptography: Trust and Adversity

Catalog Number: 1637

Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Modern cryptography. Mathematical tools. Public-key encryptions, digital signatures, key exchanges, zero-knowledge proofs, authentication, oblivious transfer, financial cryptography, secure multi-party computation, provably secure encryptions. Foundations: Probabilistic encryption and semantic security. Attacks and countermeasures.

Computer Science 221. Computational Complexity

Catalog Number: 5812

Salil P. Vadhan

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

A quantitative theory of the resources needed for computing and the impediments to efficient computation. The models of computation considered include ones that are finite or infinite, deterministic, randomized, quantum or nondeterministic, discrete or algebraic, sequential or parallel.

Prerequisite: Computer Science 121 or equivalent.

[Computer Science 222. Algorithms at the Ends of the Wire]

Catalog Number: 2493

Michael D. Mitzenmacher

Half course (spring term). Tu., Th., 10–11:30.

Covers topics related to algorithms for big data, especially related to networks. Themes include compression, cryptography, coding, and information retrieval related to the World Wide Web. Requires a major final project.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 124.

[Computer Science 223. Probabilistic Analysis and Algorithms]

Catalog Number: 4740

Michael D. Mitzenmacher

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Probabilistic techniques and tools for the design and analysis of algorithms. Designed for all first-year graduate students in all areas.

Note: Expected to be given in 2010–11.



Prerequisite: Computer Science 124. Preferably additional probability, such as in Computer Science 226r, Statistics 110, or Mathematics 191.

[Computer Science 225. Pseudorandomness]

Catalog Number: 4869

Salil P. Vadhan

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Efficiently generating objects that “look random” despite being constructed using little or no randomness. Connections and applications to computational complexity, cryptography, and combinatorics. Pseudorandom generators, randomness extractors, expander graphs, error-correcting codes, hash functions.

Note: Expected to be given in 2010–11.

Prerequisite: Exposure to randomized algorithms (as in Computer Science 124), computational complexity (as in Computer Science 121), and algebra (as in Applied Mathematics 106, Mathematics 123, or Computer Science 226r).

[Computer Science 226r. Efficient Algorithms]

Catalog Number: 1749

Michael O. Rabin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Important algorithms and their real life applications. Topics include combinatorics, string matching, wavelets, FFT, computational algebra number theory and geometry, randomized algorithms, search engines, page rankings, maximal flows, error correcting codes, cryptography, parallel algorithms.

Note: Expected to be given in 2010–11.

[Computer Science 228. Computational Learning Theory]

Catalog Number: 0364

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Possibilities of and limitations to performing learning by computational agents. Topics include computational models, polynomial time learnability, learning from examples and learning from queries to oracles. Applications to Boolean functions, automata and geometric functions.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 121 or equivalent.

[Computer Science 229r \(formerly Computer Science 229\). Topics in the Theory of Computation](#)

Catalog Number: 3730

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Students read, present, and critically evaluate current research papers in theoretical computer science. The focus will be on Biology and Complexity. See syllabus and web site for specific topics of focus.

Prerequisite: Computer Science 121 or equivalent.



Computer Science 244r. Networks Design Projects

Catalog Number: 3018

H. T. Kung

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

The contents and course requirements are similar to those of Computer Science 144r, with the exception that students enrolled in Computer Science 244r are expected to do substantial system implementation and perform graduate-level work.

Note: Preference given to upper-class undergraduates or graduate students in computer science or in business who are proficient in computer programming or in business software.

Prerequisite: Computer Science 143 or equivalent experience.

Computer Science 246r. Advanced Computer Architecture

Catalog Number: 0979

David M. Brooks

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Covers technology trends in computer system design, with an emphasis on power-aware computing for mobile, embedded, and traditional systems. System design areas include implementation, architecture, system software, and applications.

Note: Taught seminar style after the first several lectures.

Prerequisite: Computer Science 141 recommended. Consult instructor with questions.

***Computer Science 248. Advanced Design of VLSI Circuits and Systems**

Catalog Number: 7191 Enrollment: Limited to 16.

Gu-yeon Wei

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The contents and course requirements are similar to those of Computer Science 148, with the exception that students enrolled in Computer Science 248 are expected to do a substantial design project and paper discussions on advanced topics.

Prerequisite: Computer Science 141 or permission of instructor.

[Computer Science 250r. Topics in Programming Language Design and Implementation]

Catalog Number: 8553

John G. Morrisett

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seminar course discussing readings from research in programming language design and implementation. This offering will explore unifying abstractions for next-generation programming languages. Transactions and communication, types and effects, types and logics, modules and classes.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 152, Computer Science 153, or equivalent.

Computer Science 252r. Advanced Topics in Programming Languages

Catalog Number: 1986

Stephen N. Chong

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Examines use of programming languages to build secure, efficient, and reliable systems.



Language-based security, domain-specific languages, language support for distributed systems, language abstractions for concurrency. Students read and present research papers, undertake a research project.

Prerequisite: Computer Science 152 or permission of the instructor.

[Computer Science 260 (formerly Computer Science 260r). Topics in Computer Systems]

Catalog Number: 7764

Matthew D. Welsh

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Readings from research literature in operating systems, distributed systems, and networking. The topic in 2006 will be "Internet-Scale Sensor Networking." Large-scale querying on Internet data; stream-based database systems; interfacing to sensor networks.

Note: Expected to be given in 2010–11.

Computer Science 261. Research Topics in Operating Systems

Catalog Number: 6706

Margo I. Seltzer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A quantitative approach to operating system design and evaluation. Discussion of recent research including extensible operating system architectures, distributed systems, and performance analysis. Overview of research techniques and methodology.

Prerequisite: Computer Science 161, or equivalent.

Computer Science 262. Introduction to Distributed Computing

Catalog Number: 7949

James H. Waldo

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Examination of the special problems associated with distributive computing (e.g., partial failure and lack of global knowledge) and protocols that function in the face of these problems.

Emphasis on causal ordering, event and RPC-based systems.

Prerequisite: Computer Science 161 or permission of instructor.

[Computer Science 263r (formerly Computer Science 263). Wireless Sensor Networks]

Catalog Number: 6846

Matthew D. Welsh

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Recent advances in wireless communications and sensor networks. Wireless networking, routing, standards including 802.11, Bluetooth, and 802.15.4. Embedded OS, programming tools, applications, and security. Students read research papers and undertake a research project.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 161 or Computer Science 143.

Computer Science 264. Massively Parallel Computing - (New Course)

Catalog Number: 37157

Hanspeter Pfister

Half course (fall term). M., W., F., 1–2:30. EXAM GROUP: 6, 7



This course is an introduction to several modern parallel computing approaches and languages. Covers programming models, hardware architectures, multi-threaded programming, GPU programming with CUDA, cluster computing with MPI, cloud computing, and map-reduce using Hadoop and Amazon's EC2. Students will complete readings, programming assignments, and a final project.

[Computer Science 265. Database Systems]

Catalog Number: 2083

Margo I. Seltzer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A research-oriented introduction to Database Management systems. First third covers database design, implementation, and use. Topics include: network, relational, and object oriented database models, system architectures, transaction processing, system implementation, and SQL. Remaining two-thirds address research literature surrounding database systems, including an historical perspective, the emergence of relational and object-oriented systems, concurrency control, and distributed systems. Students will be expected to undertake a final research project.

Note: Expected to be given in 2010–11.

Prerequisite: CS 51

***Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems**

Catalog Number: 0766 Enrollment: Limited to 16.

Radhika Nagpal

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Surveys biologically-inspired approaches to designing distributed systems. Focus is on algorithms, analysis, and programming paradigms. Topics: swarm intelligence, amorphous computing, immune-inspired systems, synthetic biology. Discussion of research papers and a research project required.

Note: Geared toward graduate students of all levels as well as advanced undergraduates.

Preference given to graduate students or upper-level concentrators.

Prerequisite: Experience with algorithms (e.g. Computer Science 124) and programming (e.g. Computer Science 51).

Computer Science 277. Geometric Modeling in Computer Graphics

Catalog Number: 3067

Steven J. Gortler

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Advanced seminar in computer graphics focusing on geometric representations and processing. Topics include: direct manipulation, implicit surfaces, spline presentations, recursively subdivided surfaces, model simplification, surface parameterization and processing, mesh generation, and motion capture processing.

Prerequisite: Computer Science 175.

[Computer Science 278. Rendering and Image Processing in Computer Graphics]

Catalog Number: 4883

Steven J. Gortler

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9



Advanced course in computer graphics focusing on image rendering and processing. Topics include: light transport, efficient rendering, image based rendering, texture processing, interactive image processing.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 175 or permission of instructor.

***Computer Science 279r (formerly *Computer Science 279). Topics in User Interfaces**

Catalog Number: 1435 Enrollment: Limited to 12.

Krzysztof Z. Gajos

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Intelligent Interactive Systems. Topics: applied AI, Machine Learning, and HCI. Course involves discussion of primary literature, lectures, and a research-oriented project. The focus is on developing skills to conduct novel research in intelligent interactive systems.

[Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems]

Catalog Number: 0707

Avrom J. Pfeffer

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

In-depth study of artificial intelligence techniques for reasoning, planning, and learning. Topics vary from year to year.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 182 or permission of instructor.

[Computer Science 282. Probabilistic Reasoning]

Catalog Number: 3158

Avrom J. Pfeffer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

In-depth study of principles and techniques for probabilistic reasoning. Topics include: Bayesian networks and Markov networks; exact and approximate inference algorithms; learning Bayesian networks from data; temporal probability models; integrating logic and probability; influence diagrams.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 181 or permission of instructor.

Computer Science 283. Computer Vision

Catalog Number: 4475

Todd Zickler

Half course (fall term). F., 1–4. EXAM GROUP: 6, 7, 8

Vision as an ill-posed inverse problem: image formation, two-dimensional signal processing; image enhancement and restoration; feature analysis; image segmentation; structure from motion, texture, and shading; multiple view geometry; pattern classification; and applications.

[Computer Science 285. Multi-Agent Systems]

Catalog Number: 1060

David C. Parkes

Half course (spring term). Tu., Th., 11:30–1.



Algorithmic, game-theoretic and logical foundations of multi-agent systems, including distributed optimization and problem solving, non-cooperative game theory, learning and teaching, communication, social choice, mechanism design, auctions, negotiation, coalitional game theory, logics of knowledge and belief, collaborative plans and social systems.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 181 or 182, or permission of instructor.

Computer Science 286r. Topics at the Interface between Computer Science and Economics

Catalog Number: 1099 Enrollment: Limited to 20.

David C. Parkes

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Interplay between computation and economics. Topics in electronic commerce, computational social choice, computational mechanism design, peer production, prediction markets and reputation systems. Readings in AI, theoretical CS, multi-agent systems, economic theory, and operations research. Fall 2009: Matching, Assignment and Dynamics.

Prerequisite: Mathematics 21b, Applied Mathematics 21b, or equivalent; Computer Science 124, and 181 or 182, or equivalents; or permission of instructor.

Computer Science 287r. Natural Language Processing

Catalog Number: 3306

Stuart M. Shieber

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

In-depth investigation of natural-language-processing techniques. Topics include: finite-state, context-free, and trans-context-free formalisms, syntactic analysis, semantic interpretation, weighted automata and transducers. Students discuss research papers and undertake a significant research project.

Prerequisite: Computer Science 187 or permission of instructor.

Computer Science 299r. Special Topics in Computer Science

Catalog Number: 4592

John G. Morrisett

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable computer science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Computer Science 307,308. Biologically-Inspired Multi-Agent Systems, Distributed Systems, and Computational Biology**



Catalog Number: 8289,8308

Radhika Nagpal 5068 (fall term only)

***Computer Science 309,310. Computational Mechanism Design, Electronic Marketplaces, and Multi-Agent Systems**

Catalog Number: 8764,0931

David C. Parkes 4202

***Computer Science 311,312. Collaborative Systems, AI Planning, and Natural Language Processing**

Catalog Number: 4677,6223

Barbara J. Grosz 1599

***Computer Science 313,314. Visual Computing**

Catalog Number: 4273,1628

Hanspeter Pfister 5882

***Computer Science 315,316. Social Computing: Computation and Economics**

Catalog Number: 2892,2433

Yiling Chen 6187

***Computer Science 319,320. Distributed Systems, Operating Systems, and Networks**

Catalog Number: 8038,8568

Matthew D. Welsh 4600

***Computer Science 321,322. Databases, Operating System, and Software Design**

Catalog Number: 4085,4086

Margo I. Seltzer 3371

***Computer Science 323,324. Human-Computer Communication through Natural, Graphical, and Artificial Languages**

Catalog Number: 2450,2453

Stuart M. Shieber 2456

***Computer Science 325,326. Intelligent Interactive Systems and Human-Computer - (New Course)**

Catalog Number: 15849,82478

Krzysztof Z. Gajos 6339

***Computer Science 327,328. Mathematical Logic, Theory of Computation**

Catalog Number: 1160,3576

Harry R. Lewis 4455

***Computer Science 343,344. Computer Architecture: Modeling and Design**

Catalog Number: 3932,9266

David M. Brooks 4222



***Computer Science 345,346. High-Performance Computer Systems**

Catalog Number: 6154,6156

Michael D. Smith 3372

***Computer Science 347,348. Computer Vision**

Catalog Number: 1882,8831

Todd Zickler 5143

***Computer Science 351,352. Cryptography: Unbreakable Codes and Financial Cryptography**

Catalog Number: 0218,0255

Michael O. Rabin 7003

***Computer Science 353,354. Representation and Reasoning, Machine Learning and Decision Making**

Catalog Number: 6816,1843

Avrom J. Pfeffer 2830

***Computer Science 355,356. Computational Complexity, Parallel Computation, Computational Learning, Neural Computation**

Catalog Number: 0345,0346

Leslie G. Valiant 7396

***Computer Science 357,358. Computational Complexity, Cryptography, and Pseudorandomness**

Catalog Number: 3485,8641

Salil P. Vadhan 3833

***Computer Science 359,360. On-line Algorithms and Randomized Algorithms**

Catalog Number: 2104,1477

Michael D. Mitzenmacher 7748

***Computer Science 361,362. Programming Languages and Semantics**

Catalog Number: 8672,8366

John G. Morrisett 4853

***Computer Science 363,364. Programming Languages and Security - (New Course)**

Catalog Number: 52264,67371

Stephen N. Chong 6340

***Computer Science 365. SEAS Teaching Practicum**

Catalog Number: 8195

John G. Morrisett 4853

Half course (spring term). Tu., 3–5.

Gain effective skills for teaching applied sciences. Topics: presentation and communication, lesson planning, classroom practice, office hours and 1-on-1 interactions, feedback, assessment,



and working with course staff. Seminar style with an emphasis on observation, practice, feedback, discussion, and reflection.

***Computer Science 375,376. Computer Graphics**

Catalog Number: 6832,7313

Steven J. Gortler 2824

Cross-listed Courses

[MCB 131. Computational Neuroscience](#)

[Statistics 221. Statistical Computing and Learning](#)

[Statistics 285r \(formerly Statistics 385\). Statistical Machine Learning](#)

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

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Jorie Graham, Boylston Professor of Rhetoric and Oratory

Sylvaine Guyot, Assistant Professor of Romance Languages and Literatures

Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature (*on leave spring term*)

Elizabeth Dyrud Lyman, Assistant Professor of English and American Literature and Language (*on leave fall term*)

Christie McDonald, Smith Professor of French Language and Literature and of Comparative Literature



Ryan Scott Mckittrick, Lecturer on Dramatic Arts
Daniel J. Rubin, Briggs-Copeland Lecturer on English
Peter Sacks, John P. Marquand Professor of English
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Francesca Schironi, John L. Loeb Associate Professor of the Humanities
Amie Siegel, Assistant Professor of Visual and Environmental Studies
Oliver Simons, Assistant Professor of Germanic Languages and Literatures
Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2009-10*)
Scott Zigler, Lecturer on Dramatic Arts

For Undergraduates and Graduates

Dramatic Arts 101 (formerly Dramatic Arts 1). Introduction to Theatre

Catalog Number: 0845

Scott Zigler

Half course (fall term). M., 1:30–3:30. EXAM GROUP: 6, 7, 8

An introduction and overview of the major creative elements in professional theater including: acting, directing, playwriting, and designing. Special attention given to productions by the American Repertory Theatre (ART), The Institute and other productions in the Boston area. Students have the opportunity to attend and analyze at least five different productions and to engage in creative collaborative work throughout the term. Additionally, theater professionals from ART give guest lectures in their areas of expertise.

***Dramatic Arts 105 (formerly *Dramatic Arts 5). Production Dramaturgy**

Catalog Number: 7592 Enrollment: Limited to 20.

Ryan Scott Mckittrick

Half course (fall term). W., 1:10–3:10. EXAM GROUP: 6, 7, 8

Principles of dramaturgy introduced and explained in the context of full productions of performance events. Students will apply literary research and analysis techniques to the preparation of scripts for performance. Specific projects will serve as examples for studying historical background, formal plot theory, scene units, tempo dynamics, and action theory, as they are handled by directors, actors, and stage managers in the rehearsal hall.

***Dramatic Arts 110 (formerly *Dramatic Arts 11). Beginning Acting**

Catalog Number: 3321

Thomas Derrah

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of the basic techniques of acting, beginning with exercises that flex the imagination and heighten observation; the course will then move towards work on rhythm, an actor's instincts, focus, concentration, and character with an ongoing emphasis in improvisation. The texts of Anton Chekhov will be used as a point of reference for the work. The latter part of the course will concentrate on selected scene study from Chekhov's major plays.

Note: Enrollment determined by audition.



Dramatic Arts 111 (formerly Dramatic Arts 17). Intermediate Acting

Catalog Number: 9738

Karen L. MacDonald

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An expansion of basic acting techniques, with an emphasis on the actor's work done during rehearsal: creating a character, building a role and finding one's own way of preparing for and making the most of rehearsal time. Actors will use exercises and improv to help explore character and sharpen instincts, and do monologue and scene work using classical and contemporary texts, both comic and dramatic.

Note: Enrollment determined by audition.

***Dramatic Arts 112r (formerly *Dramatic Arts 18r). Advanced Acting: 20th-Century Texts**

Catalog Number: 8011

Marcus Stern

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

For actors interested in working in television, film and theater, this is a course of advanced acting techniques using 20th-century dramatic texts for scene work. The emphasis is on action based acting and the creation of an acting process that is specifically tailored to the individual actor. Includes character work -- making physical and vocal changes. Emphasis also on learning how to audition better, includes helping actors assemble a group of working monologues to use in auditions.

Note: Enrollment determined by audition on the first day of class.

Dramatic Arts 113. The History and Practice of Non-Traditional Theater in America - (New Course)

Catalog Number: 14394

Edward Weiner

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This Fall, the A.R.T. will re-launch its venue at Zero Arrow as an emporium of "non-traditional theater." Using the Zero Arrow space as our classroom, we will explore, analyze, conceive and present "non-traditional theater" inspired by circus, revival meetings, concert saloons, dime museums, wild west shows, grand guignol, nightclub theater, vaudeville, Yiddish theater, burlesque and professional wrestling. At the end of the semester, there will be a final theatrical performance at Zero Arrow.

Note: See PANDORA! <http://www.theboxnyc.com>.

Dramatic Arts 114 (formerly Dramatic Arts 36). Practical Aesthetics

Catalog Number: 8994

Scott Zigler

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Practical Aesthetics Acting Technique was developed by playwright David Mamet and actor William H. Macy, based on the work of the American acting teacher Sanford Meisner and the Russian acting teacher Konstantin Stanislavski. In this course, students will focus on rigorous text analysis combined with emphasis on enhancing the actor's spontaneity through training in Meisner's "Repetition Exercise." Students will do scene work drawn from a wide selection of



plays.

Note: Enrollment will be determined by lottery at the first class meeting.

Prerequisite: Dramatic Arts course in Acting, previous study in Practical Aesthetics, or extensive undergraduate performance experience.

***Dramatic Arts 115 (formerly *Dramatic Arts 12). Acting Shakespeare**

Catalog Number: 6659 Enrollment: Limited to 20.

Jeremy Geidt

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Investigation of the texts of Shakespeare as theatre, developing an American approach to verse speaking and character analysis. Scenes are rehearsed to interpret the verse and prose by the light of modern experience. Explores the imagination of the playwright in order to develop the imagination of the student.

Dramatic Arts 116 (formerly Dramatic Arts 13). Acting Workshop: Comedy

Catalog Number: 9926

William S. Lebow

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A course developing the actor's approach to and playing of comedy and humor. Using characters and scenes from Shakespeare, Molière, Shaw, and contemporary writers from Christopher Durang to Steve Martin, the course focuses on the universality of comic technique and the specific demands of comic playing. The question of humor is explored with respect to dramatic situations and characters that are inherently serious. Student scenes will occasionally be critiqued by members of the A.R.T. Company.

Note: Enrollment determined by audition on the first day of class.

***Dramatic Arts 117 (formerly *Dramatic Arts 35). Acting Chekhov**

Catalog Number: 1465

Remo Francisco Airdi

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

An exploration of Chekhov's plays from an actor's point of view in order to develop a practical approach to any dramatic text. We will balance the use of analytical skills--playable actions, active verbs, subtext and beats -- with the need to free the actor's creative imagination, through exercises and improvisations. A variety of acting techniques will be used in scene work from the plays, including the techniques of Stanislavski, Michael Chekhov, Strasberg, Adler and Meisner as well as non-text-based approaches.

Note: Enrollment determined by audition.

Dramatic Arts 119 (formerly Dramatic Arts 28). Vocal Production for the Stage

Catalog Number: 8900

Nancy K. Houfek

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Whether one is performing in a play, speaking professionally, teaching a class or leading a group, the ability to use one's voice effectively is a primary element of the success of the presentation. Using several major techniques of speaking training, students learn not only how to use the voice, but how these various approaches to voice training correspond to specific



performance challenges.

Note: Enrollment determined by interview.

***Dramatic Arts 120 (formerly *Dramatic Arts 14). The Art of Movement Design: Choreography**

Catalog Number: 2983

Elizabeth Weil Bergmann

Half course (fall term). Tu., Th., 3:30–5:30. EXAM GROUP: 17, 18

This introductory choreography course utilizes movement exploration to tap into the participant's aesthetic and interpretive skills as they are challenged to make dances. Explorations into the use of time, weight and space inform their creative process. Through a combination of readings, writings, discussions, videos and dance improvisation, the course focuses on how movement choices develop dances that are kinesthetic, dramatic, and artistic for both the performer and the audience. No previous dance experience necessary.

Note: Enrollment determined by interview the first week of class.

***Dramatic Arts 121 (formerly *Dramatic Arts 14a). Group Choreography**

Catalog Number: 9209

Elizabeth Weil Bergmann

Half course (fall term; repeated spring term). Fall: W., 4–5:30.

The focus in this course will be on choreographing for groups of three or more dancers. Concentrating on the principles of group form along with the use of space and music, assignments will be individually tailored to suit each choreographer's experience and needs. Texts and videos will be assigned based on each student's previous experience.

Note: Permission of instructor. Enrollment determined by interview. For information call instructor at 617-495-1484. May be repeated with instructor approval.

Prerequisite: For students who have completed DA 120 or have choreographic experience.

Dramatic Arts 123. The Alvin Ailey Legacy: A Celebration of the African-American Heritage and the Modern Dance Tradition - (New Course)

Catalog Number: 29501

Sylvia Waters

Half course (spring term). Tu., Th., 3:30–6.

This course, taught by Sylvia Waters and Elizabeth Roxas-Dobris, of the Alvin Ailey Dance Company, will include Horton technique classes and Ailey repertory along with lectures, archival footage, interviews, and remarks by those who knew him. Focus will be upon Ailey and his musical collaborations with Duke Ellington, Max Roach, Ralph Vaughan Williams, Charlie Mingus, among others. Lectures will be laced with Water's personal experiences and interactions with Mr. Ailey

Note: For experienced dancers only.

***Dramatic Arts 130r (formerly *Dramatic Arts 130). Directing**

Catalog Number: 8160

Marcus Stern

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A directing class for directors interested in theater, television and film, as well as for actors,



dramaturgs, and designers investigating all aspects of theater. The class accommodates beginning to advanced levels of work. Students may bring in video or film scenes as part of the class work. Through constant scene work the course examines the directorial tools of text analysis, staging, design, and working with actors. The focus is on how to tell a story clearly and effectively.

Note: May be repeated with instructor and adviser approval. Enrollment determined by short interviews to be conducted on the first day of class.

Dramatic Arts 135 (formerly Dramatic Arts 30). Design for the Theatre: History and Practice

Catalog Number: 9503

J. Michael Griggs

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

The practice of designing scenery for the theatre is explored through the history of stage design and the architecture of the theater building. Students complete projects of research and design for plays from various periods. The projects will introduce basic techniques in drawing, drafting, and model making. No previous experience in design or art necessary.

***Dramatic Arts 136 (formerly *Dramatic Arts 31). Designing for the Stage**

Catalog Number: 1116 Enrollment: Limited to 12.

J. Michael Griggs

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Students prepare and present for criticism stage design projects based on play texts that suggest varying interpretive and stylistic problems. Focus is on examining ideas through research of visual material and analysis of text. Through their design projects, students also complete assignments in perspective drawing, drafting, model making, and lighting design. No previous experience in design or art necessary.

Cross-listed Courses

[African and African American Studies 134z. Black and White in Drama, Film and Performance]

[Chinese Literature 158. Passion and Duty in Chinese Drama]

Classical Studies 159. Classical Comedy from Aristophanes to Broadway - (New Course)

***English Cakr. Advanced Playwriting**

***English Calr. Dramatic Screenwriting II**

***English Camr. Advanced Playwriting 2: Production Workshop**

***English Ckr. Introduction to Playwriting**

***English Clr. Dramatic Screenwriting I**

***English 70. Shakespeares: Text, Performance, Film - (New Course)**

***English 90hb. Four Shakespeare plays - (New Course)**

***English 90qc. Ibsen, Shaw, and Chekhov**

***English 90qe. Pinter, Stoppard, Churchill, & Frayn**

***English 90sa. The Idea of a Theatre - (New Course)**

***English 90xa. Crime and Law: Drama, Film, and Performance - (New Course)**

English 119. Magic, Carnival, Sacrament, and Other Theatrical Illusions: European



[Renaissance Drama and Spectacle - \(New Course\)](#)

[English 121. Shakespeare After Hamlet](#)

[English 165. Proust, Joyce, Woolf: Aestheticism and Modernism](#)

[English 179. American Drama Since 1945 - \(New Course\)](#)

[\[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context\]](#)

[*Freshman Seminar 45i. The Art and Craft of Acting](#)

[German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century](#)

[*History and Literature 90q. Performing America - \(New Course\)](#)

[Italian 40. Advanced Oral Expression: Teatro dal vivo](#)

[\[Literature and Arts A-35. Tragic Drama and Human Conflict\]](#)

[Literature and Arts B-51. First Nights: Five Performance Premieres](#)

Earth and Planetary Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Earth and Planetary Sciences

John H. Shaw, Harvard College Professor, Harry C. Dudley Professor of Structural and Economic Geology (*Chair*)

Jeremy Bloxham, Mallinckrodt Professor of Geophysics and Professor of Computational Science, Dean of Science

Kelly V. Chance, Lecturer in Earth and Planetary Sciences (*spring term only*)

Brian F. Farrell, Robert P. Burden Professor of Meteorology

Colleen M. Hansel, Assistant Professor of Environmental Microbiology

John P. Holdren, Professor of Environmental Science and Public Policy (*FAS*), Teresa and John Heinz Professor of Environmental Policy at the John F Kennedy School of Gov't (*Kennedy School*) (*on leave fall term*)

Peter John Huybers, Assistant Professor of Earth and Planetary Sciences

Miaki Ishii, Assistant Professor of Earth and Planetary Sciences

Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering

Stein B. Jacobsen, Professor of Geochemistry

David T. Johnston, Assistant Professor of Earth and Planetary Sciences

Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences (*Acting Co-Head Tutor*)

Zhiming Kuang, Assistant Professor of Climate Science

Charles H. Langmuir, Higgins Professor of Geochemistry

Francis Alexander Macdonald, Assistant Professor of Earth and Planetary Sciences



Charles R. Marshall, Professor of Biology and of Geology
James J. McCarthy, Professor of Biological Oceanography (*on leave 2009-10*)
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Brendan J. Meade, Associate Professor of Earth and Planetary Sciences
Jerry X. Mitrovica, Professor of Geophysics
Sujoy Mukhopadhyay, Associate Professor of Geochemistry (*Co-Director of Graduate Studies*)
Richard J. O'Connell, Professor of Geophysics
Ann Pearson, Professor of Biogeochemistry (*Co-Head Tutor*) (*on leave 2009-10*)
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
Daniel P. Schrag, Sturgis Hooper Professor of Geology and Professor of Environmental Science and Engineering
Jared Jeffrey Standish, Preceptor in Earth and Planetary Sciences
Sarah Stewart-Mukhopadhyay, John L. Loeb Associate Professor of the Natural Sciences
Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics (*Co-Director of Graduate Studies*)
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science (*Co-Head Tutor*)

Other Faculty Offering Instruction in the Department of Earth and Planetary Sciences

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry (*on leave 2009-10*)
Scot T. Martin, Gordon McKay Professor of Environmental Chemistry

For more information about Earth and Planetary Sciences, please visit the department's website at www.eps.harvard.edu.

Primarily for Undergraduates

[Earth and Planetary Sciences 5. Introduction to Environmental Science: Atmosphere, Ocean, and Biosphere](#)

Catalog Number: 2207

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to the scientific basis for current concerns regarding possible changes in the global environment. Issues addressed include climate; depletion of stratospheric ozone; regional air pollution; acid rain; disturbance of biogeochemical cycles for life-essential elements C, N, P, and S.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe and the Core area requirement for Science A.

[Earth and Planetary Sciences 7. Introduction to Geological Sciences](#)

Catalog Number: 0918

Sujoy Mukhopadhyay and Miaki Ishii

Half course (fall term). M., W., F., at 10, and three hours of laboratory work each week and two day-long field trips on separate weekends required. EXAM GROUP: 3

A course designed for concentrators but also appropriate for non-concentrators who desire a



broad introduction to Earth science. Evolution of the Earth with an emphasis on the processes that have shaped our planet. The theory of plate tectonics is used to explain the occurrence and distribution of earthquakes, volcanoes and mountains. Labs and the weekend field trips familiarize students with rock types, geological features, and illustrate how geologists infer processes from the rock record.

Note: Also appropriate for non-EPS concentrators who desire a comprehensive introduction to Earth science. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Peter John Huybers and Andrew H. Knoll

Half course (spring term). Tu., Th., 1-2:30, and two hours of laboratory work each week as well as one field trip. EXAM GROUP: 15, 16

Examines the major stages and critical events in the history of the Earth, with emphasis on the interactions between global tectonics, the climate system, and biological evolution. Topics range from the formation of the Earth and other planets, to catastrophic events that drove mass extinctions, to the most recent period of human interaction with the environment. Laboratories introduce methods of investigation and analysis of the geological record.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

Francis Alexander Macdonald

Half course (fall term; repeated spring term). Hours to be arranged.

Attend a domestic or overseas geological summer field school of 3-6 weeks duration to learn methods of obtaining, synthesizing, and interpreting field observations.

Note: Field schools are selected individually by students with the advice and approval of the instructor. Students must notify the instructor and Academic Administrator of intention to enroll by Study Card Day of the preceding spring term.

Prerequisite: EPS 7, 8, 150, or 171, are recommended; or permission of instructor.

***Earth and Planetary Sciences 91r. Supervised Reading and Research**

Catalog Number: 1462

Steven C. Wofsy and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Intended for junior or senior concentrators in Earth and Planetary Sciences; open to sophomore concentrators only under exceptional circumstances. Permission of the faculty member under whom the student wants to work and the Academic Administrator is required for enrollment.

***Earth and Planetary Sciences 99. Tutorial — Senior Year**

Catalog Number: 7120

Steven C. Wofsy, Sarah Stewart-Mukhopadhyay, and members of the Department

Full course. Hours to be arranged.



Note: Senior honors candidates must take at least one term of this course (fall or spring) if writing a thesis. Enrollment in the fall includes 5 evening tutorials on how to get the most from your thesis experience. Signature of the thesis adviser and Academic Administrator required for enrollment.

Cross-listed Courses

Astronomy 16. Stellar and Planetary Astronomy

For Undergraduates and Graduates

[Earth and Planetary Sciences 100. The Missing Matlab Course: An Introduction to Programming and Data Analysis]

Catalog Number: 0235

Brendan J. Meade and Miaki Ishii

Half course (spring term). M., W., 2:30-4, and three hours of laboratory work each week.

An overview of modern computational tools with applications to the Earth Sciences. Introduction to the MATLAB programming and visualization environment. Topics include: statistical and time series analysis, visualization of two- and three-dimensional data sets, tools for solving linear/differential equations, parameter estimation methods. Labs emphasize applications of the methods and tools to a wide range of data in Earth Sciences.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Mathematics 1a, b; or equivalent.

Earth and Planetary Sciences 107. Environmental Geochemistry

Catalog Number: 1242

Sujoy Mukhopadhyay and David T. Johnston

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An overview of low-temperature geochemistry through the treatment of a selection of geochemical issues of environmental significance. Each unit places geochemical topics in the context of a broader geological perspective with particular emphasis on chemical principles. Students from all concentrations are welcome.

Note: Given in alternate years.

Prerequisite: A course in college-level chemistry or permission of the instructors.

[Earth and Planetary Sciences 109. Earth Resources and the Environment]

Catalog Number: 2218

John H. Shaw

Half course (spring term). Tu., Th., 10-11:30, and three hours of laboratory work each week.

EXAM GROUP: 12, 13

An overview of the Earth's energy and material resources. Following introductions to hydrocarbons, nuclear fuels, and other economically important ores, the course emphasizes methods used to exploit these resources and the environmental impacts of these operations. Topics include: coal and acid rain; petroleum, photochemical smog, and oil spills; nuclear power and radioactive hazards; alternative energies; metals and mining. Labs emphasize methods for discovering and exploiting resources, as well as environmental remediation approaches.



Note: Expected to be given in 2010–11. Given in alternate years. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Prerequisite: EPS 7, 8; or permission of the instructor.

Earth and Planetary Sciences 121. Terrestrial Planets

Catalog Number: 8577

Sarah Stewart-Mukhopadhyay

Half course (spring term). F., at 12, W., 3–5. EXAM GROUP: 5, 8, 9

The physical and chemical processes that influence the initial condition, evolution, and current state of terrestrial planets, focusing on the comparative evolution of Venus, Earth, Mars, and large moons. Topics include: planet formation, evolution of atmospheres, interior composition and equations of state, core formation, differentiation, thermal evolution, and major surface modification processes.

Note: Given in alternate years.

Prerequisite: Physics 11a, b; or permission of instructor.

Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate

Catalog Number: 2249

Eli Tziperman

Half course (spring term). M., Th., 2:30–4. EXAM GROUP: 7, 8, 16

Basic observations and theoretical understanding of ocean phenomena from local surface beach waves to the effects of the oceans on global climate. Observations and dynamics of ocean waves, currents, turbulence, temperature and salinity distributions; basic fluid dynamics equations; the ocean's role in climate: wind-driven circulation and the Gulf stream, thermohaline circulation and the potential instability of Europe's climate, El Niño, the oceans and global warming.

Note: Given in alternate years. When offered, a field trip to Cape Cod and the Woods Hole Oceanographic Institution will be included.

Prerequisite: Applied Mathematics 21a, b; Physics 11 or 15; or permission of instructor.

Earth and Planetary Sciences 132. Introduction to Meteorology and Climate

Catalog Number: 8495

Brian F. Farrell

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Physical concepts necessary to understand atmospheric structure and motion. Phenomena studied include the formation of clouds and precipitation, solar and terrestrial radiation, dynamical balance of the large-scale wind, and the origin of cyclones. Concepts developed for understanding today's atmosphere are applied to understanding the record of past climate change and the prospects for climate change in the future.

Prerequisite: Mathematics 21 or Applied Mathematics 21a and 21b; Physics 11 or 15; or permission of instructor.

Earth and Planetary Sciences 133. Atmospheric Chemistry

Catalog Number: 7731

Daniel J. Jacob and Steven C. Wofsy

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16



Physical and chemical processes determining the composition of the atmosphere and its implications for climate, ecosystems, and human welfare. Origin of the atmosphere. Nitrogen, oxygen, carbon, sulfur, trace metal cycles. Climate and the greenhouse effect. Atmospheric transport and turbulence. Stratospheric ozone. Oxidizing power of the atmosphere. Regional air pollution: aerosols, smog, acid rain.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe and the Core area requirement for Science A.

Prerequisite: Physical Sciences 1, 2, Mathematics 1b; or equivalents.

Earth and Planetary Sciences 134. Global Warming Debates: The Reading Course - (New Course)

Catalog Number: 45399

Peter John Huybers and Eli Tziperman

Half course (spring term). W., 3-6, and weekly lab to be arranged. EXAM GROUP: 8, 9

The atmospheric carbon dioxide concentration is now the highest it has been in at least 800,000 years, raising concerns regarding possible future climate changes. This seminar will survey the science of global change from the perspective of scientific debates within climate community. Specifically, the course will involve guided reading and discussion of papers that present contentious view points on the science of global change, with the goal of students learning how to scientifically evaluate these claims. Laboratories will provide students with hands on experience with some climate models and data.

Note: Given in alternate years.

Prerequisite: Applied Mathematics 21a or equivalent, or permission of instructor.

[Earth and Planetary Sciences 141. Isotope and Trace Element Geochemistry and Geochronology]

Catalog Number: 7724

Stein B. Jacobsen

Half course (fall term). Tu., Th., 1-2:30.

The origin of the element and isotope distribution in the Earth and the Solar System. Closed system radioactive decay, isotope fractionation, mass balance and mixing. Application of Rb-Sr, Sm-Nd, U-Th-Pb, Lu-Hf, Re-Os and K-Ar isotope systems for geochronology and as tracers for geological processes. Noble gas geochemistry. Extinct nuclides. Cosmogenic nuclides. U-Th-series nuclides. Planetary isotopic evolution. Stable isotope geochemistry. Application of H, C, N, O, and S isotopes as tracers of geochemical and biogeochemical processes.

Note: Expected to be given in 2010-11. Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent; EPS 7 or equivalent (recommended).

Earth and Planetary Sciences 145. Introduction to Igneous Petrology and Petrogenesis

Catalog Number: 5940

Charles H. Langmuir

Half course (fall term). M., W., 2:30-4, and a three-hour weekly lab. EXAM GROUP: 7, 8

How igneous rocks form and reveal the processes and fluxes involved in the circulation of the solid Earth. The course begins with the essential elements of igneous petrology—rock description and nomenclature, mineralogy, phase diagrams, processes of melting and



crystallization, trace elements. We then consider the formation of igneous rocks at modern igneous settings—spreading centers, convergent margins and ocean islands. We conclude with investigations of igneous phenomenon of the past, such as large igneous flood basalt provinces, anorthosites, komatites and the igneous history of the Moon.

Note: Given in alternate years.

Earth and Planetary Sciences 150. Earth-like Planets and Planetary Materials

Catalog Number: 4726

Stein B. Jacobsen

Half course (spring term). Tu., Th., 1-2:30, lab: F., 1-3. EXAM GROUP: 15, 16

Rocks and minerals—clues to understanding the origin and evolution of planetary surface environments, crusts and mantles. Principles of mineral structures, phase equilibria, and the origin of igneous, metamorphic, and sedimentary rocks. Primitive meteorites, martian meteorites, lunar samples and terrestrial rocks, including how timescales, origin and evolution of planets can be inferred from studies of rocks and minerals. Classification, identification, chemical and isotopic measurements of rocks and minerals in the laboratory.

Prerequisite: EPS 7 or Science A-24; a course in college-level chemistry or equivalent; or permission of instructor.

Earth and Planetary Sciences 161. Global Tectonics

Catalog Number: 1854

Richard J. O'Connell

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Overview of geophysical and geological observations and phenomena related to large-scale tectonic processes. Plate tectonics; marine magnetic and paleomagnetic measurements; heat flow and thermal evolution of oceanic plates; earthquakes and volcanoes at plate boundaries. The rigid and nonrigid behavior of lithospheric plates; rates of crustal deformation; earthquakes within continents; mountain building and the support and evolution of mountain belts.

Note: Given in alternate years.

Prerequisite: One basic earth science course (e.g., EPS 7 or Science A-24) or permission of instructor. Applied Mathematics or Mathematics 21a and b, Physics 11a or 15a recommended.

[Earth and Planetary Sciences 166. Introduction to Seismology]

Catalog Number: 1540

Miaki Ishii

Half course (fall term). Tu., Th., 2:30–4.

An overview of the basic observations and methods of seismology. Earthquake detection, geometry, characteristics and relation to tectonics. Seismic stations and different types of data (body waves, surface waves, and normal modes). One-dimensional and three-dimensional structures of the Earth as inferred from seismology and implications for composition and dynamics. Seismic methods used in oil/gas exploration and environmental geophysics.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b (may be taken concurrently); or equivalent.



Earth and Planetary Sciences 171. Structural Geology and Tectonics

Catalog Number: 0319

John H. Shaw

Half course (fall term). Tu., Th., 10-11:30, and three hours of laboratory work each week. EXAM GROUP: 12, 13

An introduction to the deformation of Earth materials, including the processes of mountain building and plate tectonics, faulting and earthquakes, folding, and ductile deformation. Structures are examined using geologic maps, balanced cross sections, seismic reflection data, satellite imagery, microscopic analysis, analog experiments, and numerical methods. Labs emphasize the applications of structural geology in the energy and environmental industries, and for assessing earthquake hazards.

Note: Given in alternate years.

Prerequisite: EPS 7 or 8; or permission of instructor.

Earth and Planetary Sciences 181. Historical Geobiology

Catalog Number: 5162

Andrew H. Knoll

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A focused inquiry on the interactions of life and environment through geologic history. In 2009 we will focus on the Paleozoic record, including the cambrian explosion, Ordovician radiation, and Paleozoic diversity drops.

Note: Given in alternate years.

Prerequisite: EPS 8, OEB 10; or permission of instructor.

Earth and Planetary Sciences 182. Stratigraphy and Sedimentology - (New Course)

Catalog Number: 37284

Francis Alexander Macdonald

Half course (spring term). M., W., F., at 10, a two-hour weekly lab to be arranged, and one field trip. EXAM GROUP: 3

Techniques in interpreting paleo-environmental information from sedimentary rocks, covering grain-flow, alluvial fans, siliciclastic shelves, carbonates, glacial deposits, and deep-sea environments, and culminating with cyclo-stratigraphy and basin dynamics.

Note: Given in alternate years.

[Earth and Planetary Sciences 186. Biogeochemistry of Light Stable Isotopes] - (New Course)

Catalog Number: 89929

David T. Johnston

Half course (fall term). Hours to be arranged.

An introduction to biogeochemical systems, highlighting how biological processes have shaped the Earth's surface through time. In addition to surveying the core geobiological topics, this course will also cover the different tools used to ask biogeochemical questions, and especially light stable isotopes.

Note: Expected to be given in 2010–11. Given in alternate years.



**[Earth and Planetary Sciences 187 (formerly Earth and Planetary Sciences 137).
Biogeochemical Processes]**

Catalog Number: 1923

Ann Pearson

Half course (spring term). Tu., Th., 2:30–4.

Introduction to biological and organic chemistry of the Earth's environment. Primary focus on the cycles of carbon, nitrogen, oxygen, and hydrogen with emphasis on processes occurring at the molecular level. Includes an introduction to light stable isotope geochemistry and the isotopic records of individual biomolecules in marine and terrestrial environments.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent. Chemistry 17 or 27 strongly recommended.

Cross-listed Courses

[Engineering Sciences 120. Introduction to the Mechanics of Solids](#)

[Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes](#)

[Engineering Sciences 162. Hydrology and Environmental Geomechanics](#)

[Engineering Sciences 164. Aqueous and Environmental Chemistry](#)

[\[Engineering Sciences 166. Environmental Microbiology\]](#)

[Engineering Sciences 167. Environmental Assessment](#)

[\[OEB 107. Evolution of Plant Life in Geologic Time\]](#)

[\[OEB 113. Paleobiological Perspectives on Ecology and Evolution\]](#)

[\[OEB 118. Biological Oceanography\]](#)

Primarily for Graduates

[Earth and Planetary Sciences 200. Atmospheric Chemistry and Physics](#)

Catalog Number: 2675

Steven C. Wofsy and Daniel J. Jacob

Half course (fall term). W., F., 10-11:30 and one to three hours of computer-based laboratory work per week. EXAM GROUP: 3, 4

Atmospheric physics and chemistry: stratospheric and tropospheric transport, photochemistry, and aerosols; stratospheric ozone loss, tropospheric pollution; biogeochemical cycles.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11 a, b or 15; a course in college-level chemistry or equivalent, or more advanced courses; or permission of the instructors.

[Earth and Planetary Sciences 201. Physics of the Earth's Interior](#)

Catalog Number: 4004

Richard J. O'Connell

Half course (fall term). W., F., 2:30–4. EXAM GROUP: 7, 8

The properties and processes of the solid Earth: Continuum mechanics; structure and state of the



Earth's interior; gravity and the geoid; viscous creep and mantle flow; rotational dynamics; heat transport and mantle convection.

Note: Given in alternate years.

Prerequisite: Applied Mathematics 105a, b; Physics 15 or equivalent. Preparation should be discussed with the instructor.

Earth and Planetary Sciences 202. Mechanics in Earth and Environmental Science

Catalog Number: 9798

James R. Rice

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Introduction to the mechanics of fluids and solids, organized around earth and environmental phenomena. Conservation laws, stress, deformation and flow. Inviscid fluids and ocean gravity waves; Coriolis dominated large scale flows. Viscosity and groundwater seepage; convective cells; boundary layers. Turbulent stream flows; flood surges; sediment transport. Elasticity and seismic waves. Poro-mechanics and consolidation. Creep and glacial flow. Cracking and faulting. Landslides and debris flows.

Note: Expected to be given in 2009-10. Given in alternate years.

Prerequisite: Calculus-based introductory physics at level of Physics 11 a, b or 15 a, b and Mathematics at the level of Applied Mathematics 21a, 21b, and 105b (may be taken concurrently).

[Earth and Planetary Sciences 203. Earthquakes and Faulting]

Catalog Number: 4472

Brendan J. Meade, James R. Rice, and John H. Shaw

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Earthquake phenomenology in the context of plate tectonics. Continuum mechanics and elastic deformation. Earthquake cycle models and constraints from tectonic geodesy. Earthquake geology and paleoseismology. Deformation rates and fault system structure. Quantitative seismic hazard analysis.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Applied Mathematics 21a, b.

Earth and Planetary Sciences 204 (formerly Earth and Planetary Sciences 267). Global Seismology

Catalog Number: 4091

Miaki Ishii

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Fundamental concepts used in seismology as a tool in studying the Earth's deep interior. Topics include stress/strain/elasticity theory, the seismic wave equation, ray theory, surface waves and normal modes, source theory, and inverse methods.

Note: Given in alternate years.

Prerequisite: Applied Math 105b (may be taken concurrently), or permission of instructor.

[Earth and Planetary Sciences 206. Space Geodesy for Earth Scientists]

Catalog Number: 8218

James L. Davis



Half course (spring term). Hours to be arranged.

Space geodesy for Earth systems. Measurement of geophysical signals from space geodetic observations. Crustal deformation from tectonic, loading, and other origins; gravity and geopotential; atmospheric studies, including GPS-occultation and tomography; applications to oceans and glaciers.

Note: Expected to be given in 2010–11. Given in alternate years.

***Earth and Planetary Sciences 207r. Geochemical Oceanography**

Catalog Number: 1602

Daniel P. Schrag

Half course (fall term). Hours to be arranged.

Topics in low-temperature geochemistry, oceanography, and climatology will be discussed. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Given in alternate years.

Earth and Planetary Sciences 208. Physics of Climate

Catalog Number: 6561

Zhiming Kuang

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Overview of the basic features of the climate system (global energy balance, atmospheric general circulation, ocean circulation, and climate variability) and the underlying physical processes.

Prerequisite: Applied Mathematics 105b (may be taken concurrently), Physics 11a, b or 15; or permission of the instructor.

Earth and Planetary Sciences 209. Tides and Milankovitch Forcing in the Climate System

Catalog Number: 5594

Peter John Huybers

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Tidal and solar insolation forcing are both directly dependent upon the orbital configuration of the Earth and sun and they are the only near-periodic drivers of the environment. This course will discuss these phenomena in parallel, and use them as examples of the application of quantitative time series analysis and modeling methods suitable for the analysis of instrumental and paleoclimate records.

Note: Given in alternate years. This subject will be taught jointly with the MIT course by same name.

Prerequisite: EPS 131, EPS 132, or permission of instructor.

***Earth and Planetary Sciences 210. Introduction to Isotope and Trace Element Geochemistry**

Catalog Number: 9146

Sujoy Mukhopadhyay and staff

Half course (fall term). Hours to be arranged.

The course emphasizes the principles of isotope and trace element geochemistry and their application to relevant problems in Earth and Planetary Sciences. Problems to be addressed include planet formation and differentiation, ocean chemistry, and climate reconstruction.



[*Earth and Planetary Sciences 231. Climate Dynamics]

Catalog Number: 6492

Eli Tziperman

Half course (spring term). M., Th., 2:30–4.

Climate and climate variability phenomena and mechanisms using a hierarchical modeling approach. Basics: El Niño and thermohaline circulation, abrupt, millennial and glacial-interglacial variability, equable climates.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Background in geophysical fluid dynamics or permission of instructor.

Earth and Planetary Sciences 232. Dynamic Meteorology

Catalog Number: 5344

Brian F. Farrell

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The atmosphere understood as a fluid dynamical system. Observations of atmospheric motions related to weather and climate. Application of the equations of atmospheric dynamics to explaining phenomena such as jet streams, cyclones and fronts.

Prerequisite: Applied Mathematics 105b; or permission of instructor.

Earth and Planetary Sciences 236. Environmental Modeling

Catalog Number: 7250

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). Class meeting times to be arranged plus one to three hours of computer-based laboratory work per week. EXAM GROUP: 18

Chemical transport models: principles, numerical methods. Inverse models: Bayes' theorem, optimal estimation, Kalman filter, adjoint methods. Analysis of environmental data: visualization, time series analysis, Monte Carlo methods, statistical assessment. Students prepare projects and presentations.

Note: Students specializing in this area are expected to take EPS 200 and 236. These courses may serve as an introduction to atmospheric and oceanic processes for other students with strong preparation.

Prerequisite: Applied Mathematics 105b (may be taken concurrently); a course in atmospheric chemistry (EPS 133 or 200 or equivalent); or permission of the instructors.

Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres

Catalog Number: 1891

Kelly V. Chance

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Absorption, emission, and scattering, emphasizing Earth's atmosphere. Atmospheric spectroscopic properties for various measurement geometries. Quantitative spectroscopy and atmospheric structure are reviewed. Radiative transfer modeling and simulation and interpretation of atmospheric spectra from microwave through ultraviolet.

Note: Given in alternate years.

Prerequisite: Ability to program in a high-level computer language (may be learned in parallel with the permission of the instructor).



Earth and Planetary Sciences 239. The Consequences of Energy Systems - (New Course)

Catalog Number: 98708

Daniel P. Schrag

Half course (fall term). M., 1–3:30.

This course provides an introduction to the physical and chemical impacts of energy choices on human society and natural ecosystems. Topics will include the carbon cycle, climate, air and water pollution, impacts of energy systems on health, land use consequences of energy technologies, and nuclear waste and proliferation.

Note: This course is a requirement for the Graduate Consortium on Energy and Environment.

Prerequisite: College level chemistry and physics and permission of the Instructor.

Earth and Planetary Sciences 240. Geochemical Transport and Kinetics

Catalog Number: 0187

Stein B. Jacobsen

Half course (spring term). M., W., 1–3; F., 1–3. EXAM GROUP: 6, 7

Irreversible thermodynamics, heat flow and diffusion. K-U-Th geochemistry. Mass transfer between geochemical reservoirs; modeling of mantle melting, mantle and crustal evolution, geochemical cycles. Determination of temperature-time-pressure histories of rocks from radiogenic isotopes and phase equilibria.

Note: Applied Mathematics 105a, b are recommended. Given in alternate years.

Prerequisite: Mathematics 21a, b or Applied Mathematics 21a, b.

[Earth and Planetary Sciences 241. Isotope Geochemistry and Processes of Planetary Evolution]

Catalog Number: 1680

Stein B. Jacobsen

Half course (fall term). Tu., 4–6.

The composition and the evolution of the Solar Nebula. Application of radiogenic and stable isotopes to study the processes of formation and evolution of planetary crusts, mantles, and cores.

Note: Expected to be given in 2010–11. Given in alternate years.

[Earth and Planetary Sciences 242. Low Temperature Geochemistry (formerly Biogeochemistry of Light Stable Isotopes)]

Catalog Number: 8808 Enrollment: Limited to 10.

Daniel P. Schrag

Half course (spring term). Hours to be arranged.

Introduction to the theory and methodology of stable isotope biogeochemistry. Topics include isotope ratio mass spectrometry, biological fractionation of carbon and nitrogen isotopes, distribution of isotopes in terrestrial and marine ecosystems, and applications to climate reconstruction.

Note: Expected to be given in 2010–11. Given in alternate years.

Earth and Planetary Sciences 243. Geochemical and Cosmochemical Thermodynamics

Catalog Number: 2002

Stein B. Jacobsen



Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The laws of thermodynamics. Equilibrium and spontaneous transformations in systems of variable chemical composition. Components, phase rule and petrogenetic grids. Calculation of phase diagrams. Applications to cosmochemistry, igneous and metamorphic petrology, and environmental geochemistry.

Note: Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent; Mathematics 21a or Applied Mathematics 21a (may be taken concurrently).

[*Earth and Planetary Sciences 245. Petrological Approaches to Understanding the Earth's System]

Catalog Number: 7202

Charles H. Langmuir

Half course (spring term). Hours to be arranged.

The course studies the igneous processes at spreading centers, convergent margins and hot spots, and explore their influences on mantle, crust, ocean and atmosphere and the constraints they provide for the plate tectonic geochemical cycle.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: EPS 145 or permission of instructor.

[Earth and Planetary Sciences 250. Topics in Planetary Sciences]

Catalog Number: 1225

Sarah Stewart-Mukhopadhyay

Half course (fall term). Hours to be arranged.

Research seminar on current problems in planetary sciences. Topics: impact processes, planetary surface processes, planet formation, and subjects related to current spacecraft missions.

Note: Expected to be given in 2010–11. Given in alternate years or upon announcement.

[Earth and Planetary Sciences 260. Topics in Geophysics]

Catalog Number: 2908

Richard J. O'Connell and Miaki Ishii

Half course (spring term). Hours to be arranged.

Research seminar on current important problems on the state and processes of the solid Earth. Topics may include mantle structure and geochemistry, the core-mantle boundary, the continental lithosphere.

Note: Expected to be given in 2010–11. This course is coordinated with a research course at MIT.

Earth and Planetary Sciences 261. Sea Level Change - (New Course)

Catalog Number: 91589

Jerry X. Mitrovica

Half course (spring term). Tu., F., 1–2:30. EXAM GROUP: 6, 7, 15, 16

The physical processes responsible for sea level changes over time scales extending from hours to hundreds of millions of years. Long-term sea-level change and dynamic topography. Glacial isostatic adjustment. Recent global sea-level rise and fingerprinting. Ocean tides.

Prerequisite: Applied Mathematics 21a, b; Physics 11 or 15; or permission of instructor.



[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism]

Catalog Number: 1429

Jeremy Bloxham

Half course (fall term). Hours to be arranged.

Theoretical and observational aspects of planetary magnetism. Topics: observations of Earth's and other planets magnetic fields; core structure, dynamics and energetics; rotation and convection; magnetohydrodynamics and magnetic field generation; kinematic and dynamic dynamo theory.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Applied Mathematics 105a, b, Physics 153 or equivalent; or permission of instructor.

[Earth and Planetary Sciences 265r. Topics in Geodynamics]

Catalog Number: 0816

Richard J. O'Connell

Half course (spring term). Hours to be arranged.

Topics in the dynamics of processes and properties in the Earth's interior, including: thermal convection and flow in the mantle, rheology of the mantle, plate motions, plate deformation, physical properties of rocks and minerals.

Note: Expected to be given in 2010–11. Given in alternate years. Expected to be omitted in 2009-10.

***Earth and Planetary Sciences 269r. Crustal Dynamics**

Catalog Number: 8157

Brendan J. Meade and John H. Shaw

Half course (spring term). M., 1:30–4. EXAM GROUP: 6, 7, 8

Research seminar on current problems in crustal dynamics. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Given in alternate years.

[Earth and Planetary Sciences 270r. Structural Interpretation of Seismic Data]

Catalog Number: 8230

John H. Shaw

Half course (spring term). Hours to be arranged.

Methods of interpreting complex geologic structures imaged in 2- and 3-dimensional seismic reflection data. Methods of integrated geologic and remote sensing data will be described. Students will complete independent projects analyzing seismic data on workstations.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: EPS 171 or equivalent.

[Earth and Planetary Sciences 272r. Topics in Structural Geology]

Catalog Number: 1546

John H. Shaw

Half course (fall term). Hours to be arranged.

Seminar course investigating recent advances in structural geology and exploration geophysics with applications in earthquake science and the petroleum industry. Specific topics vary from



year to year.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: EPS 171 or equivalent. Intended for graduate and advanced undergraduate students involved in structural geology research.

[Earth and Planetary Sciences 281r. Great Papers in Earth Sciences]

Catalog Number: 2474

Peter John Huybers and Eli Tziperman

Half course (spring term). W., 3–5.

A survey and discussion of groundbreaking papers from across the Earth sciences.

Note: Expected to be given in 2010–11.

[Earth and Planetary Sciences 282. Topics in Stratigraphy and Earth History] - (New Course)

Catalog Number: 60506

Francis Alexander Macdonald

Half course (fall term). Hours to be arranged.

Readings and discussions on current problems in stratigraphy and Earth history. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Expected to be given in 2010–11.

[Earth and Planetary Sciences 286. Current Topics in Biogeochemistry] - (New Course)

Catalog Number: 38407

David T. Johnston

Half course (spring term). Hours to be arranged.

This course will focus on emerging topics in biogeochemistry. This class is designed to engage students in discussion on new topics and cutting-edge techniques within the field. Students will develop a robust understanding of how different element cycles are fundamentally linked, how many of these cycles are driven by microorganisms, and how many of these processes leave subtle chemical and isotopic records of their activity.

Note: Expected to be given in 2010–11. Given in alternate years.

[Earth and Planetary Sciences 287 (formerly Earth and Planetary Sciences 237). Advanced Geobiology and Biogeochemistry]

Catalog Number: 9320

Ann Pearson and David T. Johnston

Half course (spring term). Hours to be arranged.

Covers topics from EPS 187 (formerly EPS 137) at in-depth, accelerated pace. Course emphasizes reactions at the molecular and isotopic level using biomarkers to understand natural processes. Considers complex microbial assemblages with attention to current and ancient records of earth systems.

Note: Expected to be given in 2011–12. Given in alternate years.

Prerequisite: EPS 187/137 or equivalent; or permission of instructor.



Earth and Planetary Sciences 290. Scientific Communication

Catalog Number: 6610

Sarah Stewart-Mukhopadhyay

Half course (fall term). Hours to be arranged.

Teaches students how to effectively, communicate scientific concepts focusing on short oral presentations based on current journal articles drawn from Earth and Planetary Sciences.

Technical presentation skills (planning, delivery, managing nervousness, etc.) developed through weekly practice and detailed feedback.

Note: Recommended for EPS graduate students in their 1st or 2nd year. Topics include: differences between written and oral communication; structure and organization of short vs. long and general vs. technical talks; and effective use of visualizations including poster presentations.

Cross-listed courses

[Astronomy 225. Formation of Stars and Planets]

Engineering Sciences 220. Fluid Dynamics

Engineering Sciences 240. Solid Mechanics

[Engineering Sciences 241. Advanced Elasticity]

[Engineering Sciences 262. Advanced Hydrology and Environmental Geomechanics]

[Engineering Sciences 263. Applied Microbial Geochemistry]

[Engineering Sciences 264. Advanced Aqueous and Environmental Chemistry]

[Engineering Sciences 266. Advanced Environmental Microbiology]

[Engineering Sciences 267. Aerosol Science and Technology]

Graduate Courses of Reading and Research

***Earth and Planetary Sciences 320. Topics in Planetary Sciences**

Catalog Number: 6050

Sarah Stewart-Mukhopadhyay 4637

***Earth and Planetary Sciences 330. Climate Atmospheric Chemistry and Free Radical Kinetics**

Catalog Number: 3810

James G. Anderson 6057 (on leave 2009-10)

***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628

***Earth and Planetary Sciences 333. Environmental Chemistry**

Catalog Number: 4927

Scot T. Martin 3365



***Earth and Planetary Sciences 334. Atmospheric Physics and Chemistry**

Catalog Number: 4886

Michael B. McElroy 2462

***Earth and Planetary Sciences 335. Climate Dynamics and Physical Oceanography**

Catalog Number: 3095

Eli Tziperman 4748

***Earth and Planetary Sciences 336. Geophysical Fluid Dynamics**

Catalog Number: 8851

Eli Tziperman 4748

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343 (on leave 2009-10)

***Earth and Planetary Sciences 338. Atmospheric Chemistry**

Catalog Number: 7596

Steven C. Wofsy 4396

***Earth and Planetary Sciences 339. Biogeochemistry**

Catalog Number: 9843

Ann Pearson 4224 (on leave 2009-10)

***Earth and Planetary Sciences 340. Topics in Isotope Geochemistry: Research Seminar**

Catalog Number: 2881

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 341. Isotope Geochemistry**

Catalog Number: 7103

Stein B. Jacobsen 7212

***Earth and Planetary Sciences 342. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 1732

Zhiming Kuang 5285

***Earth and Planetary Sciences 343. Topics in Quantitative Analysis of the Climate Record**

Catalog Number: 2979

Peter John Huybers 5746

***Earth and Planetary Sciences 344. Topics in Stable Isotope Geochemistry and Geochemical Oceanography**

Catalog Number: 6291

Daniel P. Schrag 3054



***Earth and Planetary Sciences 345. Solid Earth Geochemistry**

Catalog Number: 7979

Charles H. Langmuir 4293

***Earth and Planetary Sciences 346. Topics in Noble Gas Geochemistry**

Catalog Number: 2928

Sujoy Mukhopadhyay 4621

***Earth and Planetary Sciences 347. Topics in Environmental Policy**

Catalog Number: 4360

John P. Holdren (Kennedy School, FAS) 2673

***Earth and Planetary Sciences 348. Topics in Microbial Geochemistry - (New Course)**

Catalog Number: 52137

Colleen M. Hansel 5609

***Earth and Planetary Sciences 362. Dynamo Theory: Research Seminar**

Catalog Number: 1840

Jeremy Bloxham 2047

***Earth and Planetary Sciences 363. Seismology and Tectonophysics: Geomechanics, Earthquake Source Physics**

Catalog Number: 8664

James R. Rice 7270

***Earth and Planetary Sciences 364. Geophysics**

Catalog Number: 1438

Jeremy Bloxham 2047

***Earth and Planetary Sciences 365. Geophysics**

Catalog Number: 5632

Richard J. O'Connell 3642

***Earth and Planetary Sciences 367. Global Geodynamics**

Catalog Number: 4447

Jerry X. Mitrovica 6696

***Earth and Planetary Sciences 368. Seismology**

Catalog Number: 4932

Miaki Ishii 5493

***Earth and Planetary Sciences 369. Topics in Active Tectonics**

Catalog Number: 5904

Brendan J. Meade 5340



***Earth and Planetary Sciences 370. Structural Analysis**

Catalog Number: 9046

John H. Shaw 3699

***Earth and Planetary Sciences 380. Topics in Geology and Earth History**

Catalog Number: 1161

Francis Alexander Macdonald 6283

***Earth and Planetary Sciences 381. Topics in Stable Isotope Geobiology and Earth History
- (New Course)**

Catalog Number: 22177

David T. Johnston 6278

[*Earth and Planetary Sciences 385. Analytical Paleontology]

Catalog Number: 8129

Charles R. Marshall 2823

Note: Expected to be given in 2010–11.

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Wilt L. Idema, Professor of Chinese Literature (*Chair*)

Ryuichi Abe, Reischauer Institute Professor of Japanese Religions

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations

Eileen Cheng-yin Chow, Associate Professor of Chinese Literary and Cultural Studies

Edwin A. Cranston, Professor of Japanese Literature (*on leave spring term*)

Nara Dillon, Lecturer on East Asian Languages and Civilizations

Carter J. Eckert, Yoon Se Young Professor of Korean History

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History

Shengli Feng, Professor of the Practice of Chinese Language (*Director of the Chinese Language Program*)

Binnan Gao, Preceptor in Chinese

Andrew Gordon, Lee and Juliet Folger Fund Professor of History



David James Gundry, College Fellow in the Department of East Asian Languages and Civilizations
Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society
Hui-Yen Huang, Senior Preceptor in Chinese
Wesley M. Jacobsen, Professor of the Practice of the Japanese Language and Director of the Japanese Language Program (*Director of the Japanese Language Program*)
Kyung-ok Joo, Preceptor in East Asian Languages and Civilizations
Yuko Kageyama-Hunt, Preceptor in Japanese
Mi-Hyun Kim, Preceptor in Korean
Sun Joo Kim, Professor of Korean History
Tomoko Kitagawa, College Fellow in the Department of East Asian Languages and Civilizations
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Kening Li, Preceptor in Chinese
Wai-yee Li, Professor of Chinese Literature (*Head Tutor*)
Yasuko Matsumoto, Preceptor in East Asian Languages and Civilizations
Satomi Matsumura, Senior Preceptor in Japanese
David McCann, Korea Foundation Professor of Korean Literature (*on leave fall term*)
Melissa M. McCormick, Professor of Japanese Art and Culture (*Director of Graduate Studies*)
Binh Ngo, Senior Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)
Sang-suk Oh, Senior Preceptor in Korean and Director of the Korean Language Program (*Director of the Korean Language Program*)
Stephen Owen, James Bryant Conant University Professor
Michael J. Puett, Professor of Chinese History
James Robson, Associate Professor of East Asian Languages and Civilizations
Michael A. Szonyi, Professor of Chinese History (Head Tutor, East Asian Studies)
Xiaofei Tian, Professor of Chinese Literature
Wei-Ming Tu, Harvard Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave fall term*)
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Director of Undergraduate Studies*)
David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature
Miaomiao Wang, Preceptor in Chinese
Qiuyu Wang, Preceptor in Chinese
Xuedong Wang, Preceptor in Chinese
Emi Yamanaka, Preceptor in Japanese
Lei Yan, Preceptor in East Asian Languages and Civilizations
Tomiko Yoda, Visiting Associate Professor of Japanese Humanities
Chen Zhang, Preceptor in East Asian Languages and Civilizations
Congmin Zhao, Preceptor in Chinese

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)
Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus



Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Theodore C. Bestor, Professor of Anthropology
Carter J. Eckert, Yoon Se Young Professor of Korean History
Andrew Gordon, Lee and Juliet Folger Fund Professor of History
Alastair Iain Johnston, Governor James Albert Noe and Linda Noe Laine Professor of China in World Affairs
William C. Kirby, T. M. Chang Professor of China Studies and Spangler Family Professor of Business Administration (FAS), Harvard University Distinguished Service Professor
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
Michael A. Szonyi, Professor of Chinese History (Head Tutor, East Asian Studies)
James L. Watson, John King and Wilma Cannon Fairbank Professor of Chinese Society (*on leave 2009-10*)

Courses listed under the Department of East Asian Languages and Civilizations begin with department tutorials and then are grouped by area: China, Japan, Korea, Manchu, Mongolia, Tibet, and Vietnam. Each area is divided into language, history, and literature courses, then “Graduate Courses of Reading and Research,” and concludes with cross-listings from other departments. Please note that courses under each heading are categorized as either “For Undergraduates and Graduates” or “Primarily for Graduates.”

The concentration draws upon faculty working on East Asian topics from the Department of East Asian Languages and Civilizations and from other departments. It offers both a humanities track, in which the history, literature, philosophy, and religion of premodern and modern times are studied, and a social science track, stressing approaches to modern East Asia drawn from the social science disciplines.

Courses in the Language Programs are designed to be taken in sequence and cannot be taken out of order. There are no auditors permitted in the Language Programs and language courses must be taken for a grade. Independent study in languages will only be offered after completion of all courses in the sequence, and with permission of the Director of that language. Placement and admission to a course is at the discretion of the Director of the Program.

East Asian Studies

Primarily for Undergraduates

****East Asian Studies 91r. Supervised Reading and Research***

Catalog Number: 0961

Wai-yee Li and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to students who have given evidence of ability to do independent reading and



research. May be taken on an individual basis or by small groups of students interested in working on the same topic. Permission of the East Asian Studies Head Tutor required.

East Asian Studies 97ab. Introduction to East Asian Civilizations

Catalog Number: 2337

Wilt L. Idema and members of the Department

Half course (spring term). Tu., Th., at 12; Th., 3–5.

This course looks at some of the elements (philosophy and religion, art and literature, statecraft and technology) that are shared by the various regional cultures of East Asia (China, Japan, Korea, Vietnam), and the ways in which these vary in each of these cultures. We also look at the way in which the countries of East Asia have impacted each other in the process of modernization, and at their divergent paths towards globalization.

Note: Required of sophomore concentrators. Open to freshmen.

[East Asian Studies 98a. Tutorial--Junior Year: State-Society Relations in Modern China]

Catalog Number: 0964

Elizabeth J. Perry

Half course (spring term). Hours to be arranged.

Junior Tutorial for students in the China Social Science track.

Note: Expected to be given in 2010–11. EAS 98a, 98b, 98d or a substitution approved by the Head Tutor is required for all EAS concentrators. Preference to EAS concentrators but open to Government concentrators.

East Asian Studies 98b. Junior Tutorial--State and Society in Contemporary Japan

Catalog Number: 8288

Susan J. Pharr

Half course (fall term). Tu., 3 with an additional hour to be arranged. EXAM GROUP: 17

Junior Tutorial for students in the Japan Social Science track.

Note: EAS 98a, 98b, 98d or a substitution approved by the Head Tutor is required for all EAS concentrators. Preference to EAS students but open to Government concentrators.

East Asian Studies 98d. Junior Tutorial--The Political Economy of Modern China

Catalog Number: 4800

Nara Dillon

Half course (fall term). W., 2-4. EXAM GROUP: 7, 8

Junior Tutorial for students in the China Social Science track. After an introduction to the historical context of China's development, this course will focus on the political economy of reform in the post-Mao period. Some of the topics covered include the one-child policy, foreign trade and investment, the role of labor, rural-urban migration, and the rise of inequality.

Note: EAS 98a, 98b, 98d or a substitution approved by the Head Tutor is required for all EAS concentrators. Preference to EAS students but open to Government concentrators.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

Wai-ye Li and members of the Department



Full course. Hours to be arranged.
Thesis guidance under faculty direction.

Cross-listed Courses

Culture and Belief 11. Medicine and the Body in East Asia and in Europe

For Undergraduates and Graduates

East Asian Studies 140. Major Religious Texts of East Asia

Catalog Number: 0856

Ryuichi Abe

Half course (spring term). W., 2–4:30.

This course aims at enabling students to read and analyze in depth major religious texts of East Asia, representing diverse traditions and genres. The course encourages students to take up their reading of texts not only as ways to acquire knowledge on Asian religious traditions, but as practice, labor, and play in which their ordinary way of understanding/experiencing the world and themselves will be challenged, reaffirmed, and renewed.

[East Asian Studies 160. Writing Asian Poetry]

Catalog Number: 0327

David McCann

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Readings in selected Chinese, Japanese, and Korean verse forms, and composition or imitation in English. Study of Li Po and Tu Fu (Chinese couplet), Basho (haiku and haibun mixed prose and poetry), Yun Sôn-do and other Korean poets (shijo), and composition/imitation. Final project, an extended suite of poems or mixed prose and poetry.

Note: Expected to be given in 2010–11. No Asian language knowledge is required; all writing will be in English.

East Asian Studies 175. The History of Modern Science and Technology in East Asia

Catalog Number: 5317

David Andrew Biggs

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Monsters, Disasters and Nature in Mega-Scale: Environmental History and Environmentalism in East Asia. This instance of the course, taught by an environmental historian, investigates how issues of modern science and technology in East Asia pertain to man-made and natural disasters and the development of environmentalist ideas and politics.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[East Asian Studies 180. Korea Wave]

Catalog Number: 9177

David McCann

Half course (spring term). Tu., 1–3.

Cinema, music, television, dance, food, clothing, currency, and language: the present-day



"waves" that seem one after another to sweep across East Asia's borders and boundaries also have historical counterparts. The course will examine the seismic events and media, practices, and circulation systems that constitute the contemporary Korean culture scene, and then how these are linked to or disassociated from the past.

Note: Expected to be given in 2010–11.

East Asian Studies 191. Zen: History, Culture, and Critique - (New Course)

Catalog Number: 39452

James Robson

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course is an introduction to the religious history, philosophy and practices of Zen Buddhism. Zen is the Japanese pronunciation of the Chinese word Chan, which is itself a transcription of the Sanskrit word dhyāna, meaning meditation. While meditation is the backbone of the Zen tradition, we will see that Zen has a number of different faces and will examine the rich diversity of the Zen tradition as it developed in China, Korea, and Japan.

Note: Offered jointly with the Divinity School as 3012.

East Asian Studies 195. Fighting Poverty in China: Redistribution, Social Rights & NGOs in Comparative Perspective - (New Course)

Catalog Number: 78777 Enrollment: Limited to 12.

Nara Dillon

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course is a research seminar on the political economy of poverty and inequality in China. Because China has tried such a wide variety of methods to combat poverty, it provides a useful "laboratory" for exploring the origins and impact of many different anti-poverty policies. After an introduction to cross-national concepts of poverty, inequality and social rights, students will examine famine relief, land reform, the welfare state, NGOs, and development programs targeted to the poor.

Cross-listed Courses

Culture and Belief 33. Introduction to the Study of East Asian Religions - (New Course)

Primarily for Graduates

East Asian Studies 200. The Uses and Meaning of the New Arts of Presentation

Catalog Number: 6509

Shigehisa Kuriyama

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

Exploration of the new horizons of communication created by current media technology and their implications for the future of teaching and scholarship. The seminar will combine theoretical readings and reflection with practical, hands-on experiments using podcasts, media-intensive lectures, and iMovies for conveying academic research.

Note: Limited enrollment.



East Asian Studies 205. Approaches to the Comparative History of Medicine and the Body

Catalog Number: 2222

Shigehisa Kuriyama

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Research seminar devoted to the theory and methods, possibilities and challenges of cross-cultural studies in the history of medicine and the body.

Note: Students will also be expected to attend lectures for Culture and Belief 11.

[East Asian Studies 211. Historical Theory and Methods]

Catalog Number: 3088

Michael J. Puett and Shigehisa Kuriyama

Half course (fall term). M., 1–3.

Theories and methods for research in East Asian history. Covers approaches to social, cultural, intellectual, and political history, analyzing significant works in each field and applications to Chinese, Japanese, and Korean materials.

Note: Expected to be given in 2010–11.

[East Asian Studies 220r. Medieval Japanese Picture Scrolls]

Catalog Number: 1685

Melissa M. McCormick

Half course (spring term). F., 1–3.

Examines the rich tradition of medieval Japanese picture scrolls (*emaki*). Provides training in the reading of scroll texts (*kotobagaki*), the analysis of paintings, and the examination of the production contexts of important scrolls from the 12th to the 16th century. Aims to make picture scrolls available as a primary source for graduate research in many different disciplines within Japanese studies.

Note: Expected to be given in 2010–11.

[East Asian Studies 230r (formerly East Asian Studies 230). The History of East Asian Medicine: Seminar]

Catalog Number: 0544

Shigehisa Kuriyama

Half course (spring term). Tu., 1–4.

In 2008-09, focus on original texts related to the history of forensic medicine.

Note: Expected to be given in 2010–11.

Prerequisite: At least one year of classical Chinese.

East Asian Studies 240. Arts of Asia (Graduate Seminar in General Education) - (New Course)

Catalog Number: 36034

Melissa M. McCormick

Half course (spring term). W., 1–3.

Explores Asian art pedagogy through original research of museum objects and a survey of the scholarship on Asian art. The seminar will design and develop a General Education course on these themes for undergraduates.



East Asian Buddhist Studies

Primarily for Graduates

[East Asian Buddhist Studies 240r (formerly East Asian Buddhist Studies 240). Japanese Buddhist Doctrine and Monastic Culture]

Catalog Number: 3768

Ryuichi Abe

Half course (fall term). Th., 2–4.

A graduate seminar aimed at improving students' ability to read and analyze scriptural sources in the context of textual, artistic, and other cultural productions centered around large monasteries in premodern Japan.

Note: Expected to be given in 2010–11.

Prerequisite: Classical Japanese and *Kambun* are required.

East Asian Buddhist Studies 241. Major Issues in the Study of East Asian Buddhism - (New Course)

Catalog Number: 57596

Ryuichi Abe

Half course (fall term). Hours to be arranged.

A graduate seminar that critically examines major academic works in English on East Asian Buddhism. It is aimed at preparing EALC graduate students for their general examinations in the fields relevant to Buddhism.

[East Asian Buddhist Studies 245r (formerly East Asian Buddhist Studies 245). Ritual and Text in Japanese Buddhist Literature]

Catalog Number: 7113

Ryuichi Abe

Half course (spring term). Hours to be arranged.

Examines the way in which rituals are approached, described, and interpreted in primary Japanese Buddhist texts. Students will acquire skills allowing them to move freely in their reading of texts from diverse literary genres.

Note: Expected to be given in 2010–11.

Prerequisite: Classical Japanese and *Kambun*.

East Asian Buddhist Studies 255. Readings on Chinese Religions: Recent Work on Buddhism, Daoism and Popular Religion - (New Course)

Catalog Number: 24345

James Robson

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

This seminar aims to discuss significant new works in the field of Chinese Religions (Buddhism, Daoism, Popular Religion). The primary focus will be on recent works representing the "state of the field" of Chinese Religions.

Note: Offered jointly with the Divinity School as 3232.



East Asian Buddhist Studies 256. Chinese Buddhist Texts: The Canon, Tools, and Early Translations - (New Course)

Catalog Number: 69666

James Robson

Half course (spring term). W., 5:30–8 p.m.

This seminar focuses on the careful textual study and translation of a variety of Chinese Buddhist texts (biographical, doctrinal, ritual, historical-geographical) through the medieval period. All of the primary readings will be in classical Chinese.

Note: Offered jointly with the Divinity School as 3233.

Graduate Courses of Reading and Research

***East Asian Buddhist Studies 300. Reading and Research**

Catalog Number: 9811

Ryuichi Abe 4974, Janet Gyatso (Divinity School) 4243, and James Robson 6695

Cross-listed courses

Foreign Cultures 94. Buddhism and Japanese Culture

***Freshman Seminar 42m. The New Social History of the Cold War in Asia**

History of Art and Architecture 282m. Buddhist Art of Body in East Asia - (New Course)

[Religion 2710r. Buddhist Studies: Seminar]

China: Language Courses

For Undergraduates and Graduates

[Chinese Aab. Intensive Elementary Modern Chinese]

Catalog Number: 0625 Enrollment: Limited to 20.

Binnan Gao

Full course (fall term). M., through F., 1-3.

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: Expected to be given in 2010–11. No auditors. May not be taken Pass/Fail.

Chinese Ba. Elementary Modern Chinese

Catalog Number: 4375

Qiuyu Wang and Shengli Feng

Half course (fall term). Sections Tu., Th., 9, 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 11

Non-intensive introduction to modern Chinese pronunciation, grammar, conversation, reading, and writing.

Note: No auditors. May not be taken Pass/Fail.

Chinese Bb. Elementary Modern Chinese

Catalog Number: 8714



Qiuyu Wang

Half course (spring term). Sections Tu., Th., 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese Ba.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Ba or equivalent.

***Chinese Bx. Elementary Chinese for Advanced Beginners**

Catalog Number: 7066

Hui-Yen Huang

Half course (fall term). M., W., F., at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3

For students with significant listening and speaking background. Introductory Modern Chinese language course, with emphasis on reading and writing. Covers in one term the equivalent of Chinese Ba and Bb.

Note: No auditors. May not be taken Pass/Fail. Students must pass a test in listening and speaking to take the course.

[Chinese Ca (formerly Chinese 108a). Cantonese]

Catalog Number: 0223

Shengli Feng

Half course (fall term). Hours to be arranged.

Non-intensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: Expected to be given in 2010–11. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin.

[Chinese Cb (formerly Chinese 108b). Cantonese]

Catalog Number: 0831

Shengli Feng

Half course (spring term). Hours to be arranged.

Continuation of Chinese Ca.

Note: Expected to be given in 2010–11. Primarily intended for non-native speakers who will conduct research in a Cantonese-speaking locale.

Prerequisite: Two years formal study of Mandarin and Chinese Ca or equivalent.

[Chinese 100. Mandarin Pronunciation and Grammar for Speakers of Cantonese Dialects]

Catalog Number: 7291

Shengli Feng

Half course (fall term). Hours to be arranged.

An introduction to modern Chinese pronunciation. Offering a systematic contrast and comparison between the sound and syntactic systems of the two dialects, for students who are native speakers of Cantonese and have a strong background in reading. Those who wish to continue will be prepared for Chinese 142b, Advanced Conversational Chinese.

Note: Expected to be given in 2010–11.



Chinese 120a. Intermediate Modern Chinese

Catalog Number: 4283

Xuedong Wang

Half course (fall term). Sections Tu., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Modern texts, conversation, reading, and composition.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Bb or equivalent.

Chinese 120b. Intermediate Modern Chinese

Catalog Number: 1702

Xuedong Wang

Half course (spring term). Sections Tu., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese 120a.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 120a, or equivalent.

Chinese 123xb (formerly Chinese 123b). Intermediate Modern Chinese for Advanced Beginners

Catalog Number: 7034

Hui-Yen Huang

Half course (spring term). Sections M., W., F. at 10 or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese Bx. Covers in one term the equivalent of Chinese 120a and 120b.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Bx, or instructor's permission.

[Chinese 125ab. Intensive Intermediate Modern Standard Chinese]

Catalog Number: 0977 Enrollment: Limited to 20.

Binnan Gao

Full course (spring term). M., through F., 1-3.

Continuation of Chinese Aab.

Note: Expected to be given in 2010–11. No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese Aab, or Chinese Bb, or equivalent.

Chinese 130a. Advanced Modern Chinese

Catalog Number: 6724

Kening Li

Half course (fall term). Sections Tu., Th., at 10, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 12

A study of writings selected from modern Chinese literature, academic works and newspaper articles, aimed at enhancing and further developing the student's proficiency in modern Chinese language.

Note: Conducted in Chinese. No auditors. May not be taken pass/fail.

Prerequisite: Two years of modern Chinese.



Chinese 130b. Advanced Modern Chinese

Catalog Number: 2917

Kening Li

Half course (spring term). Sections T., Th., at 10, 12, or 2, and three additional hours to be arranged. EXAM GROUP: 12

Continuation of Chinese 130a.

Note: Conducted in Chinese. No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 130a.

Chinese 130xa. Advanced Modern Chinese for Heritage Students

Catalog Number: 9097

Binnan Gao

Half course (fall term). Section I: M., W., F., at 10; Section II: M., W., F., at 2. EXAM GROUP: 3

Designed for heritage learners and covers the equivalent of Chinese 130a and other materials for reading and writing.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 123b, Chinese 125ab, or with permission of instructor.

Chinese 130xb. Advanced Modern Chinese for Heritage Students

Catalog Number: 2437

Binnan Gao

Half course (spring term). Sections I: M., W., F., at 10, and 2 additional hours to be arranged; Section II: M., W., F., at 12, and 2 additional hours to be arranged. EXAM GROUP: 3

Designed for heritage learners and covers the equivalent of Chinese 130b and other materials for reading and writing.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 130xa.

Chinese 140a. Advanced Readings in Modern Chinese

Catalog Number: 1945

Miaomiao Wang

Half course (fall term). Sections M., W., F., at 10, or 2, and two additional hours to be arranged. EXAM GROUP: 3

Rapid reading of selections from books and articles.

Note: Conducted in Chinese. No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 130b.

Chinese 140b. Advanced Readings in Modern Chinese

Catalog Number: 6844

Miaomiao Wang

Half course (spring term). Sections: M., W., F., at 10, or 2, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Chinese 140a.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 140a.



***Chinese 142a. Advanced Conversational Chinese**

Catalog Number: 3900 Enrollment: Limited to 12.

Congmin Zhao

Half course (fall term). Tu., Th., 10-11:30, and one additional hour to be arranged. EXAM

GROUP: 12, 13

Spoken Chinese for advanced students.

Note: No auditors. May not be taken Pass/Fail. No native speakers allowed. May not be used for citation.

Prerequisite: Chinese 140a or equivalent.

***Chinese 142b. Advanced Conversational Chinese**

Catalog Number: 1418 Enrollment: Limited to 12. per lecture section.

Congmin Zhao

Half course (spring term). Tu., Th., 10-11:30. . EXAM GROUP: 12, 13

Spoken Chinese for advanced students.

Note: No auditors. May not be taken Pass/Fail. No native speakers allowed. May not be used for citation.

Prerequisite: Chinese 130b or equivalent.

***Chinese 150a. Formal Chinese Writing and Speaking**

Catalog Number: 5621 Enrollment: Limited to 20.

Lei Yan

Half course (fall term). Sections M., W., F., at 9, or 12, and two additional hours to be arranged.

EXAM GROUP: 7

The purpose of this course is to enable students to acquire a comprehensive written grammar with sufficient formal vocabulary in modern Chinese. Formal patterns generated by combining single characters are used for the foundation of written grammar. This course also offers students authentic academic readings in order to improve their abilities in academic writing and formal speech. Students are required to write and present their essays in formal Chinese.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 140b or equivalent.

***Chinese 150b. Formal Chinese Writing and Speaking**

Catalog Number: 8111 Enrollment: Limited to 20.

Lei Yan

Half course (spring term). Section I: M., W., at 12; Section II: M., W., at 2. EXAM GROUP: 5

Continuation of Chinese 150a.

Note: No auditors. May not be taken Pass/Fail.

Prerequisite: Chinese 150a.

***Chinese 163. Business Chinese**

Catalog Number: 6558 Enrollment: Limited to 20.

Congmin Zhao

Half course (fall term; repeated spring term). M., W., F., at 2 and two additional hours to be arranged. EXAM GROUP: 7

Designed for students interested in international business or for students who intend to work or



travel for business in Chinese-speaking communities (including China, Taiwan, Hong Kong, and Singapore), or for students who desire to improve their Chinese language proficiency. An introduction to business and economic climates, practices and customs of these communities. Students learn specialized business and economic vocabulary and the principles of business correspondence.

Note: Conducted in Chinese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: At least three years of modern Chinese or equivalent (with instructor's permission).

[Chinese 183. Being Chinese: Contemporary Cultural Debates] - (New Course)

Catalog Number: 70457

Xiaofei Tian

Half course (spring term). W., 1–3.

A seminar that explore a series of contemporary cultural debates in China that are all concerned about the "Chinese identity," "national learning" (guoxue), and the notion of "greater cultural China" in the age of globalization. Readings for this course draw on critical writings published in current Chinese literary and cultural journals as well as on blog entries and discussions from the Chinese Internet. In relation to the course reading, students will also watch films from 1980s into the 21st century.

Note: Expected to be given in 2010–11. : Class discussions in Chinese. Most readings in Chinese. Counts toward Language Citation in Modern Chinese.

Prerequisite: Four years of Mandarin or equivalent (with instructor's permission).

Chinese 187. Art and Violence in the Cultural Revolution

Catalog Number: 1253

Xiaofei Tian

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines the cultural implications of the Cultural Revolution (1966-1976). We will examine how art was violent towards people and how violence was turned into an art. We will also consider the link between violence, trauma, memory and writing. Materials include memoir, fiction, essay, "revolutionary Peking Opera," and film.

Note: Most readings in Chinese. Discussions in Chinese. Count toward Language Citation in Modern Chinese. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C or Foreign Cultures, but not both.

Prerequisite: Four years of Mandarin or equivalent (with instructor's permission).

[Chinese 188. Traditional Chinese Philology]

Catalog Number: 2801

Shengli Feng

Half course (spring term). Tu., 1–3.

Traditional Chinese philology consists of a set of principles and techniques in four major areas: paleography, historical phonology, exegesis, and historical syntax. Students will acquire proficiency in theories, principles, and techniques that enable them to decode the ancient language rationally and that facilitate their understanding and translation accurately.

Note: Expected to be given in 2010–11.

Prerequisite: Chinese 107b or equivalent.



[Chinese 190r. Traditional Philology: Study on *Shuowen Jiezi*]

Catalog Number: 6550

Shengli Feng

Half course (fall term). Tu., Th., 2:30–4.

This course will focus on the sound-graph-and-meaning system of *Shuowen Jiezi* (the First Comprehensive Chinese Dictionary). The purpose of this course is to help students build a basic exegetic foundation through the study of graphic meaning, word meaning and cognate meaning. The 540 radicals with their cognate words and phonological categories will be examined. Students are expected to learn basic skills of how to solve ancient textual problems by using paleographic, exegetic and phonologic techniques.

Note: Expected to be given in 2010–11.

Prerequisite: Chinese 107b or equivalent.

[Chinese 197. History of Chinese Language and Culture]

Catalog Number: 0798

Shengli Feng

Half course (spring term). Tu., 2–4.

This course is an introduction to the history of Chinese language and its relevant cultures. This course will provide evidence regarding the comparative method, internal reconstruction of prehistoric stages of the Chinese language, as well as major developments in Chinese phonology and grammar from the Shang-Zhou Dynasty through the present day. It will also present an overview of some language-related cultural developments, such as the writing system and instruments, as well as language determined literary stylistic changes.

Note: Expected to be given in 2010–11. This course is taught in Chinese (counts toward a Chinese language citation).

Prerequisite: Level of Chinese equivalent to Chinese 150 or above.

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

Chen Zhang

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Basic grammar and the reading of simple historical narrative.

Note: An additional lecture slot may be added if enough students enroll, with times to be arranged.

Prerequisite: At least one year of modern Chinese, or familiarity with Chinese characters through knowledge of Japanese or Korean.

Chinese 106b. Introduction to Literary Chinese

Catalog Number: 3600

Chen Zhang

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduction to pre-Qin philosophical texts.

Note: An additional lecture slot may be added if enough students enroll, with times to be



arranged.

Prerequisite: Chinese 106a or permission of instructor.

Chinese 107a. Intermediate Literary Chinese

Catalog Number: 3343

Chen Zhang

Half course (fall term). Tu., Th., 10-11:30, and an additional hour to be arranged. EXAM

GROUP: 12, 13

A second-year course designed to prepare students for reading and research using materials written in Literary Chinese. The focus in the fall semester will be prose from the Tang and Song dynasties.

Prerequisite: One year of literary Chinese (Chinese 106 or equivalent).

Chinese 107b. Intermediate Literary Chinese

Catalog Number: 6931

Chen Zhang

Half course (spring term). Tu., Th., 10-11:30, and an additional hour to be arranged. EXAM

GROUP: 12, 13

A continuation of Chinese 107a, introducing more prose styles as well as poetry and lyric.

Prerequisite: Chinese 107a or equivalent.

Primarily for Graduates

Chinese Linguistics 200. Introduction to Teaching of Modern Chinese Language

Catalog Number: 5108

Shengli Feng

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to teaching Modern Standard Chinese as a second language at college level.

Reviews concepts and publications relating to trends in second language teaching, pedagogical issues and materials concerned with teaching MSC, observation of teaching.

China: History Courses

For Undergraduates and Graduates

Chinese History 113. Society and Culture of Late Imperial China

Catalog Number: 8264

Michael A. Szonyi

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course is a survey of the social and cultural history of China from the Song to the mid-Qing (roughly from 1000 to 1800). The main topics discussed include urbanization and commerce; gender; family and kinship; education and the examination system, and religion and ritual. The main goal of the course will be to explore the relationship between social and cultural changes and political and intellectual developments.



Chinese History 118. Beyond the Great Wall: History of Relations between China and Inner Asia

Catalog Number: 6134

Mark C. Elliott

Half course (spring term). T., Th., at 1 with an additional discussion section to be arranged.

EXAM GROUP: 15

The interaction between sedentary and nomadic civilizations is one of the great themes of human history. This course focuses on the classic case of relations between China and Inner Asia from ancient times to the 21st century. Approaching the problem from historical and theoretical perspectives, the course addresses the political, economic, social, and cultural dimensions of the storied Great Wall frontier.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Cross-listed Courses

[Anthropology 1210. The Archaeology of Ancient China]

[Anthropology 1880. Chinese Culture and Society]

Foreign Cultures 48. The Cultural Revolution

Foreign Cultures 81. The Culture of Everyday Life in China

***Freshman Seminar 42m. The New Social History of the Cold War in Asia**

Historical Study A-13. China: Traditions and Transformations

[Historical Study A-89. The Chinese Overseas]

***History 76c (formerly *History 90g). Major Themes in World History: Colonialism, Imperialism, and Post-Colonialism**

***History 79f. Empire and Nation in Russia and China - (New Course)**

***History 86a (formerly *History 1828). Christianity and Chinese Society**

[History 1618. Telling Lives in Asia: Conference Course]

History 1627. China in the Wider World, 1600-2000 - (New Course)

Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

Moral Reasoning 78. Classical Chinese Ethical and Political Theory

Primarily for Graduates

Chinese History 200r (formerly Chinese History 200). Computational Methods for Historical Analysis

Catalog Number: 5606

Peter K. Bol

Half course (spring term). M., 2–4.

History takes place through the actions of people who live in time and space. Modern computational methods provide means of analyzing changes in patterns of behavior and thought among large numbers of people spread across many regions. This course introduces the use of GIS, relational databases, social network analysis, text-mining, and topic modeling for the analysis of geographic information, biographical data, and the content of texts. Separate labs will provide introductory instruction in various computational techniques.



[Chinese History 224. Introduction to T'ang and Sung Historical Sources]

Catalog Number: 0673

Peter K. Bol

Half course (fall term). M., 1–4.

Introduction to the reading and interpretation of sources useful in the study of T'ang and Sung history. Recent scholarship and methodological issues are also discussed.

Note: Expected to be given in 2010–11.

Prerequisite: One year of literary Chinese or equivalent.

Chinese History 228. Introduction to Neo-Confucianism

Catalog Number: 2130

Peter K. Bol

Half course (fall term). M., 1–4.

Introduces major Neo-Confucian texts for close reading and analysis. Selections from the writings and records of spoken instruction by Zhou Dunyi, Zhang Zai, Cheng Yi, Cheng Hao, Zhu Xi, Liu Jiuyuan, and others.

Chinese History 232r (formerly Chinese History 232). Topics in Han History

Catalog Number: 7542

Michael J. Puett

Half course (fall term). Tu., 1–3:30. EXAM GROUP: 15, 16, 17

Examines various topics in the history of the Han Dynasty.

[Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar]

Catalog Number: 1499

Michael J. Puett

Half course (spring term). Tu., 1–3:30.

Close reading of texts from the Warring States period.

Note: Expected to be given in 2010–11.

Chinese History 251. Confucian Ethics: Conference Course

Catalog Number: 2428

Wei-Ming Tu

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

An exploration of salient features in the Confucian mode of moral reasoning. Primarily for students in Chinese thought, religion and history.

Note: Offered jointly with the Divinity School as 3857.

[Chinese History 253r. Topics in Late Imperial History] - (New Course)

Catalog Number: 41366

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Review of historical scholarship on China from roughly 1500 to the early 20th century. This course is designed to aid in preparations for the general examinations and in developing a



dissertation topic.

Note: Expected to be given in 2010–11.

[Chinese History 255. Popular Religion in Late Imperial China: Historiography]

Catalog Number: 0337

Michael A. Szonyi

Half course (fall term). Tu., 1–4.

We will explore current writings on the relationship between Chinese popular religion and the Buddhist, Daoist, and Confucian traditions since the Song dynasty. We will discuss religion and ritual as important aspects of social experience, which interact with and shed light on other aspects of social relations. Topics discussed will include: syncretism, state regulation and cultural integration; local cults and Daoism.

Note: Expected to be given in 2010–11.

Chinese History 256r (formerly Chinese History 256). Documents for the Study of Chinese Local History

Catalog Number: 1081

Michael A. Szonyi

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

This seminar introduces the different types of primary materials useful for study of the local history of late imperial China. Course meetings are spent translating and discussing these materials.

Prerequisite: Fluency in classical Chinese is required.

Chinese History 265r. Topics in the History of China and Inner Asia - (New Course)

Catalog Number: 86687

Mark C. Elliott

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Review of scholarship on the history of China's Inner Asian frontiers from pre-imperial times to the present. The focus in particular years may vary. This course is designed to aid in preparations for the general examinations and in developing a dissertation topic.

Cross-listed Courses

History 2300. Methods in Intellectual History: Proseminar

[History 2622 (formerly History 2822). Readings on the 1949 Revolution in China: Seminar]

History 2623 (formerly History 2823). Readings in Modern Chinese History: Proseminar

[History 2624 (formerly History 2848a & History 2848b). Introduction to Archival Research in Chinese History: Seminar]

China: Literature Courses

For Undergraduates and Graduates



Chinese Literature 130. Screening Modern China: Chinese Film and Culture

Catalog Number: 7241

Eileen Cheng-yin Chow

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

How do Chinese films between the two fin-de-siècles create the spectacle of "China" at home and abroad? Course topics include: the cinematic histories of China, Taiwan, and Hong Kong; the origins of early Chinese cinema; film's relationship to literary and pop culture discourses; violence and the martial arts genre; history and spectacle (Taiwan's 228 Incident, Beijing Olympics) in film and new media. Note: Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required. This course, when taken for a letter grade, meets the Core area requirement for either Foreign Cultures or Literature and Arts B, but not both.

Note: Lectures and readings in English, plus weekly film screenings. No prior background in subject matter required. This course, when taken for a letter grade, meets the Core area requirement for either Foreign Cultures or Literature and Arts B, but not both.

[Chinese Literature 132. Chinatowns]

Catalog Number: 8316

Eileen Cheng-yin Chow

Half course (spring term). Th., 1–3.

Explores ways that "Chinatown" has circulated as 'memory, fantasy, narrative, myth' in the dominant cultural imagination the last century and a half, and how realities of overseas communities, Asian American history, and conceptions of 'Chineseness' have engaged with real and phantom Chinatowns. Though emphasis is on cultural and theoretical issues rather than socio-historical study of the "Chinatown" phenomenon, participants are encouraged to pursue multi-disciplinary approaches, such as studies in urban history, economics, or creative projects.

Note: Expected to be given in 2010–11. Primarily for undergraduates; graduate students may enroll with permission of instructor.

[Chinese Literature 133. Representations of Women in Chinese Literature]

Catalog Number: 8565

Wai-yee Li

Half course (spring term). M., 1–3.

This course uses images of women to explore major themes in Chinese literature: the relationship between self and society, individual and tradition, gender and political power. We also examine conceptions of desire, agency, and yin-yang polarity. Tropes that persist through different periods will be used to chart changes in literary history. Whenever feasible, we juxtapose representations of the same subjects by male and female writers. Readings are in English.

Note: Expected to be given in 2010–11.

Chinese Literature 150. Old Tales in New Media: The Appropriation of Folklore in Modern and Contemporary China

Catalog Number: 7777

Wilt L. Idema and David Der-Wei Wang

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This class will look at China's most famous traditional tales, such as Mulan, Meng Jiangnü, The



White Snake and Liang Shanbo and Zhu Yingtai. We will study both the richness and variety of these tales in premodern times, and the way in which modern and contemporary artists and intellectuals have reflected on these tales in their essays and novels, and adapted them for the stage and the screen in their search continuity between the Chinese past and the Chinese present. *Note:* This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core requirement for Foreign Cultures. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Chinese Literature 152. Masterworks of Chinese Fiction: Tradition and Modernity - (New Course)

Catalog Number: 85564

Wai-ye Li

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An introduction to the masterworks of Chinese fiction from the Ming and Qing dynasties. Beyond close readings of excerpts from some of the best known Ming-Qing novels, we will explore the contexts that establish their cultural significance: the traditions they build on, their social and intellectual contexts, the commentaries and sequels they generate, and their reverberations in contemporary culture.

Note: Readings are in both Chinese and English. For works in classical Chinese, students are allowed to consult translations into modern Chinese or English. The course will be taught in Chinese and counts towards the Chinese language citation. It also fulfills the requirement for the EAS junior tutorial.

[Chinese Literature 158. Passion and Duty in Chinese Drama]

Catalog Number: 8085

Wilt L. Idema

Half course (fall term). M., 2–4.

Traditional and modern Chinese literature have a rich dramatic tradition. We will read (in translation) representative plays from the major dramatic genres from the 13th to the 20th century. Drawing upon existing scholarship and criticism, we emphasize the ways in which the conflict between passion (love, revenge) and duty (filial piety, loyalty to the state) is dealt with in each case.

Note: Expected to be given in 2010–11.

Cross-listed Courses

For related courses, see also *China: Language Courses* section.

Foreign Cultures 67. Popular Culture in Modern China

[Foreign Cultures 68. Authority and the Claims of the Individual in Chinese Literary Culture]

Literature and Arts A-63. Women Writers in Imperial China: How to Escape from the Feminine Voice

[Literature and Arts A-90. Forbidden Romance in Modern China]

Primarily for Graduates



Chinese Literature 200. Pre-modern Chinese Literary Studies

Catalog Number: 2533

Xiaofei Tian

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17

An introduction to the study of pre-modern Chinese literature, its history and customs, sources and resources, tools and methods, and theoretical issues.

Note: Primarily for first- and second-year graduate students in Chinese literature.

[Chinese Literature 201a. History of Chinese Literature: Beginnings through Song]

Catalog Number: 0165

Xiaofei Tian

Half course (fall term). M., W., 11:30–1.

In-depth, scholarly introduction to history of Chinese literature and literary culture from antiquity through 1400. Also examines state of the field and considers issues for future research. Includes bibliography. Essential for generals preparation.

Note: Expected to be given in 2010–11.

[Chinese Literature 201b. History of Chinese Literature: 900-1900]

Catalog Number: 1760

Wilt L. Idema

Half course (spring term). W., 2–5.

Continuation of Chinese Literature 201a. Provides an in-depth overview of the development of Chinese literature during the late imperial period, with special (but not exclusive) emphasis on the development of vernacular literature.

Note: Expected to be given in 2010–11.

[Chinese Literature 205. Issues in the Study of Chinese Vernacular Fiction]

Catalog Number: 8394

Wilt L. Idema

Half course (fall term). Th., 2–4.

General introduction to the study of traditional vernacular fiction, including its origin and later development, as well as traditional and modern Chinese approaches to this body of literature.

Special attention paid to available reference works.

Note: Expected to be given in 2010–11.

[Chinese Literature 210. Diaspora and Transnationalism]

Catalog Number: 9477

Eileen Cheng-yin Chow

Half course (fall term). Tu., 1–3.

Examines the way in which historical and cultural notions of nations, diasporas, and homes intersect with new economic and social arrangements that have created transnational flows of people across the globe.

Note: Expected to be given in 2010–11. Also open to qualified undergraduates.

[Chinese Literature 224r. Chinese Film Studies]

Catalog Number: 4997



Eileen Cheng-yin Chow

Half course (spring term). Tu., 2–4.

Primarily general preparation for those who are interested in taking a field in film and visual studies, with a special focus on Chinese cinema. This year's special topic will be the history of cinema on Taiwan, with special emphasis on the work of Edward Yang.

Note: Expected to be given in 2010–11.

[Chinese Literature 225. Visual Evidence]

Catalog Number: 7222

Eileen Cheng-yin Chow

Half course (spring term). Tu., 2–4.

Through texts and investigations into visual practices, explores interactions of social context, technology, and culture in Qing and Republican China, and the role material media plays in changing epistemological formations, and in defining the “modern.”

Note: Expected to be given in 2010–11.

Prerequisite: Advanced command of modern Chinese; ability to read classical Chinese.

Chinese Literature 226. Honglou meng (Dream of the Red Chamber) and Its Contexts: Seminar

Catalog Number: 0229

Wai-yee Li

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

A close reading of the masterpiece of Chinese fiction, *Honglou meng*, drawing on commentary traditions and modern interpretations. We will explore how *Honglou meng* sums up and rethinks various aspects of the Chinese tradition.

Note: Open to undergraduates.

Chinese Literature 227r (formerly Chinese Literature 227). Early Chinese Historical Writings: Shiji

Catalog Number: 3773

Wai-yee Li

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Studies the *Shiji* (Records of the Historian) in the context of Warring States and Han thought and historical developments. Uses the text to explore conceptions of rhetoric, narrative, history, and interpretation in early China. Readings are in classical Chinese, but some of the materials will also be available in English translation.

Prerequisite: Reading knowledge of classical Chinese.

[Chinese Literature 228. Asian Modernities: An Introduction to Critical and Cultural Theories]

Catalog Number: 7357

Eileen Cheng-yin Chow

Half course (fall term). W., 1–3.

We look at the place of theory and criticism in the study of ‘Asia’ in the academy today. We engage in topics such as the construction of ‘literature’, literary traditions, and national cultures in a comparative context; articulations of internationalism and cosmopolitanism as counter-



discourses; recent debates on nationalism and modernity, cultural studies, gender studies, translation and travel, and the proliferation of ‘post-’ studies (postmodern, post-colonial, post-ethnic) as they pertain to our research and writing.

Note: Expected to be given in 2010–11. Graduate seminar; qualified undergraduates require permission of instructor. Knowledge of one Asian literary or cultural tradition helpful.

Chinese Literature 229r. Literature and Culture of Early Medieval China

Catalog Number: 6099

Xiaofei Tian

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

Focus for 2009-10: Examines various topics in the literature and culture of Eastern Han through Western Jin.

[Chinese Literature 230. The Vernacular Short Story (*huaben xiaoshen*): Historical and Critical Approaches]

Catalog Number: 6322

Wilt L. Idema

Half course (fall term). Tu., 2–4.

Deals with the development of the vernacular short story, focusing on Feng Menglong’s *Sanyan* (1620-1627), a compilation of 120 stories old and new. This course also looks at vernacular narratives of the Tang as found in Dunhuang and follows the development of the genre throughout the 17th and 18th centuries.

Note: Expected to be given in 2010–11.

[Chinese Literature 231. Late-Ming Literature and Culture]

Catalog Number: 2770

Wai-yee Li

Half course (fall term). Tu., 1–4.

Surveys writings from second half of sixteenth century until fall of Ming, including prose (including “informal essays”), poetry, drama, fiction. Examines late-Ming literary-aesthetic sensibility (and questions how such a category may be justified.)

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

[Chinese Literature 232. Early Qing Literature and Culture]

Catalog Number: 8447

Wai-yee Li

Half course (spring term). Tu., 1–3:30.

Examines works in Qing prose, poetry, fiction, and drama. Focuses on memory and representation of the fall of the Ming in early Qing. Explores how this preoccupation merges and co-exists with developments in this period.

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

[Chinese Literature 239. Gender and Power in Chinese Literature]

Catalog Number: 7569



Wai-yee Li

Half course (spring term). M., 1–4.

Uses conceptions of gender and representations of women to examine shifting paradigms of virtues and vices, notions of rhetoric and agency, ideas about politics, power and historical explanations, and boundaries of supernatural realms and religious transcendence.

Note: Expected to be given in 2010–11.

[Chinese Literature 242. From Fiction into History]

Catalog Number: 2949

David Der-Wei Wang

Half course (spring term). W., 2–4.

This seminar deals with the dialogics between historical dynamics and literary manifestation at select moments of twentieth century China. It focuses on two themes: history and representation; modernity and monstrosity.

Note: Expected to be given in 2010–11.

Chinese Literature 245r (formerly Chinese Literature 245). Topics in Sinophone Studies - Modern Chinese Fiction on the Periphery

Catalog Number: 0321

David Der-Wei Wang

Half course (spring term). Tu., 2–4.

Survey of modern Chinese fiction and narratology from Taiwan, Hong Kong, and the Chinese Diaspora: polemics of the canon, dialogues between national and regional imaginaries, and literary cultures in the Sinophone world.

[Chinese Literature 247. Chinese Lyricism and Modernity]

Catalog Number: 8098

David Der-Wei Wang

Half course (spring term). Th., 2–4.

Explores lyricism as an overlooked discourse in modern Chinese literature and culture. Looks into lyrical representations in poetic, narrative, and performative terms and re-defines the polemics of "the lyrical" in the making of Chinese modernities.

Note: Expected to be given in 2010–11.

Chinese Literature 248. Modern Chinese Literature: Theory and Practice

Catalog Number: 9486

David Der-Wei Wang

Half course (fall term). M., 2–4.

Survey of the concepts, institutions, canons, debates, experiments, and actions that gave rise to, and continually redefined, modern Chinese literature. Equal attention given to theories drawn from Chinese and Western traditions.

[Chinese Literature 251. Liaozhai Zhiyi: Editions and Adaptations]

Catalog Number: 6657

Wilt L. Idema

Half course (spring term). W., 2–5.



Examines stories from Pu Songling's masterwork, focusing on development of the text.
Compares the author's handwritten copy to later manuscripts and the earliest printed versions;
and examines annotated editions, and adaptations.

Note: Expected to be given in 2010–11.

Chinese Literature 252. Readings in Chinese Shuochang wenxue - (New Course)

Catalog Number: 18935

Wilt L. Idema

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examples will be read and discussed of seven of the major genres of *shuochang wenxue*: *bianwen*, *zhugongdiao*, *baojuan*, *cihua*, *liqu*, *zidishu*, and *tanci*. Building on my chapter on these genres for the Cambridge History of Chinese Literature, the class also will offer an introduction to the secondary scholarship on these genres.

Note: Students will be expected to have good reading skills in modern Chinese and basic reading skills in Classical Chinese.

Chinese Literature 255. Readings in Yuan Drama

Catalog Number: 3239

Wilt L. Idema

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course will focus in class on the close reading and translation of a small number of selected plays, which will illustrate the textual development of the genre.

[Chinese Literature 267r. Topics in Tang Literature]

Catalog Number: 8521

Stephen Owen

Half course (fall term). Th., 2–5.

Survey of Tang poetry considering both its evolving social function and that aspect of the art that resisted social function

Note: Expected to be given in 2010–11.

Prerequisite: Two years of literary Chinese or equivalent.

Chinese Literature 268r. Topics in Song and Yuan Literature

Catalog Number: 7143

Stephen Owen

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Readings in the history of Song lyric (*ci*).

[Chinese Literature 270. From History into Fiction]

Catalog Number: 3474

David Der-Wei Wang

Half course (fall term). W., 2–4.

A seminar on how literature helped to "emplot" modern Chinese history from the late Qing era to the Cultural Revolution. Discussion focuses on the fictional making of a national history, gendered subjectivity, and nativist vision.

Note: Expected to be given in 2010–11.



Cross-listed Courses

[Comparative Literature 277. Literature and Diaspora]

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014, Eileen Cheng-yin Chow 2308, Mark C. Elliott 3329 (on leave spring term), Wilt L. Idema 2511, Wai-yee Li 3357, Stephen Owen 7418, Michael J. Puett 1227 (on leave 2008-09), Michael A. Szonyi 4842 (on leave spring term), Xiaofei Tian 3746, Wei-Ming Tu 7233 (on leave fall term), and David Der-Wei Wang 5190 (on leave spring term)

Japan: Language Courses

For Undergraduates and Graduates

Japanese Ba. Elementary Japanese

Catalog Number: 2014

Yuko Kageyama-Hunt

Half course (fall term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

This course aims to develop a basic foundation in modern Japanese leading to proficiency in the four language skills of speaking, listening, reading and writing. Emphasis is placed on the use of these skills to communicate effectively in authentic contexts of daily life. Mastery of hiragana, katakana, and 29 Kanji (Chinese characters.)

Japanese Bb. Elementary Japanese

Catalog Number: 8728

Yuko Kageyama-Hunt

Half course (spring term). Sections M., W., F., at 9, 10, or 1, and two additional hours to be arranged for Tu. and Th. EXAM GROUP: 2

Continuation of Japanese Ba, with an additional 151 Kanji.

Prerequisite: Japanese Ba or equivalent.

Japanese 106a. Classical Japanese

Catalog Number: 1492

Edwin A. Cranston

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Introduction to classical grammar and texts.

Prerequisite: Japanese 130b.

[Japanese 106b. Kambun]

Catalog Number: 2602

Edwin A. Cranston

Half course (spring term). M., W., F., at 11.



Introduction to *Kambun*.

Note: Expected to be given in 2010–11.

Prerequisite: Japanese 106a or equivalent.

[Japanese 106c. Later Classical Japanese]

Catalog Number: 7307

Edwin A. Cranston

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Post-Heian writings in Classical Japanese.

Note: Expected to be given in 2011–12.

Prerequisite: Japanese 106a or equivalent.

Japanese 120a (formerly Japanese 101a). Intermediate Japanese I

Catalog Number: 8152

Yasuko Matsumoto

Half course (fall term). Sections M., W., F., at 9, 10, or 1 and two additional hours on Tu and Th to be arranged. EXAM GROUP: 2, 11

Second-year intermediate level course aimed at consolidation of the basic grammatical patterns of Japanese and development of reading, writing, speaking, and listening skills to the level necessary for communication in everyday life in Japanese society. Introduction of approximately 300 Chinese characters beyond those introduced in Bb.

Prerequisite: Japanese Bb or equivalent.

Japanese 120b (formerly Japanese 101b). Intermediate Japanese I

Catalog Number: 6433

Yasuko Matsumoto

Half course (spring term). Sections M., W., F., at 9, 10, or 1 and two additional hours on Tu and Th to be arranged. EXAM GROUP: 2, 11

Continuation of Japanese 120a. Approximately 300 additional Chinese characters.

Japanese 130a (formerly Japanese 103a). Intermediate Japanese II

Catalog Number: 4855

Satomi Matsumura

Half course (fall term). M., through F., at 9, 10, or 1. EXAM GROUP: 2, 11

Third-year intermediate advanced course. Development of skills in reading authentic materials from contemporary Japanese media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. Development of speaking and writing skills to an increasingly sophisticated level. Introduction of approximately 300 additional Chinese characters beyond those introduced in 120b.

Prerequisite: Japanese 120b or equivalent.

Japanese 130b (formerly Japanese 103b). Intermediate Japanese II

Catalog Number: 6904

Satomi Matsumura

Half course (spring term). M., through F., at 9, 10, or 1. EXAM GROUP: 2, 11

Continuation of Japanese 130a. Approximately 300 additional Chinese characters.



Japanese 140a (formerly Japanese 104a). Advanced Modern Japanese

Catalog Number: 3688

Emi Yamanaka

Half course (fall term). Sections: M. through F., at 10 or 1. EXAM GROUP: 3, 12

Readings of modern texts in both rapid and in-depth modes. Comprehension of media news and drama. Advanced conversation and composition on topics related to the preceding.

Prerequisite: Japanese 130b.

Japanese 140b (formerly Japanese 104b). Advanced Modern Japanese

Catalog Number: 8551

Emi Yamanaka

Half course (spring term). Sections: M. through F., at 10 or 1. EXAM GROUP: 3, 12

Continuation of Japanese 140a.

Japanese 150a (formerly Japanese 110a). Readings and Discussion in Japanese Social Sciences

Catalog Number: 4693

Emi Yamanaka

Half course (fall term). M., W., F. at 9. EXAM GROUP: 2

Selected readings and discussion in contemporary Japanese on topics in social studies, culture, education, politics, business, economy, psychology, and anthropology, supplemented by selections from audiovisual materials on current social issues.

Note: Conducted in Japanese.

Prerequisite: Japanese 140b.

Japanese 150b (formerly Japanese 110b). Readings and Discussion in Japanese Social Sciences

Catalog Number: 0984

Emi Yamanaka

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Continuation of Japanese 150a.

Prerequisite: Japanese 150a.

Cross-listed Courses

[Linguistics 174. Tense and Aspect in Japanese]

Linguistics 176. History and Prehistory of the Japanese Language

Primarily for Graduates

Japanese 210a (formerly Japanese 209a). Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 9182

Wesley M. Jacobsen

Half course (fall term). M., W., F., 9, and an additional 90 minutes weekly to be arranged.

EXAM GROUP: 2



Development of skills in reading and translating academic genres of Japanese, with special attention to Japanese scholarship on Chinese and Korean studies. Introduction to old kana usage and classical forms commonly used in scholarly writing.

Prerequisite: Japanese 120b, and graduate standing in some field of Chinese or Korean studies.

Japanese 210b (formerly Japanese 209b). Reading Scholarly Japanese for Students of Chinese and Korean

Catalog Number: 8918

Wesley M. Jacobsen

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

Continuation of Japanese 210a.

Prerequisite: Japanese 210a.

Japan: History Courses

For Undergraduates and Graduates

Japanese History 115. Religion and Society in Edo and Meiji Japan

Catalog Number: 5756

Helen Hardacre

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Examination of religion and society in Japan from 1600-1912, beginning with an era of state control over religious institutions and religious affiliations of the populace, followed by the demise of the Edo-period system and diversification of religious practice in context of rapid social change, modernization, and imperialism during the Meiji period. Separate section for students able to utilize primary sources in Japanese will explore the Maruzen Meiji Microfilm collection in the Harvard-Yenching Library.

Note: Offered jointly with the Divinity School as 3957.

Prerequisite: General knowledge of Japanese history and religion is helpful.

Japanese History 120. Religion and Society in Twentieth-Century Japan

Catalog Number: 4903

Helen Hardacre

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An examination of religion and society from the end of the Meiji period (1912) to the present. This course explores the meaning of the modern in Japanese religions, the development of the public sphere and religion's relations with it, religion and nationalism, and the interconnections of religion and social change with materialism, consumerism, pacifism, and spiritualism.

Note: Offered jointly with the Divinity School as 3958.

Prerequisite: General knowledge of Japanese history and religion is helpful. Enrollment in Japanese History 115 recommended but not required.

[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]

Catalog Number: 0725

Ryuichi Abe

Half course (spring term). Tu., Th., 2–3:30.



An introductory course designed for students to understand some central values in Japanese religious culture. It first observes popular religious ceremonies, festivals, and rituals and studies their historical transformation; then investigates the interaction between Buddhism and native Japanese religion; and finally studies the permeating influence of religion on traditional Japanese art and literature. The concluding section considers wide-ranging contemporary and traditional religious issues in Japanese popular culture.

Note: Expected to be given in 2010–11.

[Japanese History 126. Shinto: Conference Course]

Catalog Number: 3097

Helen Hardacre

Half course (spring term). W., 1–3.

An examination of Shinto, emphasizing its concepts of deity (*kami*), patterns of ritual and festival, shrines as religious and social institutions, political culture and interactions with party politics, and its contribution to contemporary youth culture.

Note: Expected to be given in 2010–11. General knowledge of Japanese history and religion is helpful. Japanese language is not required, but several meetings will be held for students able to use Japanese-language sources. Offered jointly with the Divinity School as 3960.

[Japanese History 130. Edo Japan in the History of Curiosity]

Catalog Number: 4445

Shigehisa Kuriyama

Half course (spring term). M., 2–5.

Edo culture considered through the prism of the comparative history of curiosity. Topics include the vogue of natural history, collections of curiosities, erotic art, travel and tourism, monsters and ghosts, optical devices, anatomy.

Note: Expected to be given in 2010–11.

[Japanese History 131. Constitutions and Civil Society in Japanese History]

Catalog Number: 6179

Helen Hardacre

Half course (spring term). Hours to be arranged.

An examination of civic engagement in the processes of formulating and revising the Japanese constitution, from the 1880s to the present, in comparative perspective.

Note: Expected to be given in 2011–12. Requirements: Regular attendance and meaningful participation in discussion. One term paper, 25–30 pages. Presentation of work-in-progress on the term paper at a Course Conference.

Prerequisite: None.

Japanese History 145. Lady Samurai in Medieval Japan - (New Course)

Catalog Number: 65457

Tomoko Kitagawa

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course will offer a look at gender representation found in original historical records such as letters and diaries, and examine women's roles in society, ways of life, and sexuality in Japan from the 12th century to the end of 16th century with a comparison to their male contemporaries



– the Samurai.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

Japanese History 146. Kyoto: The Capital of Medieval Japan - (New Course)

Catalog Number: 21259

Tomoko Kitagawa

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Throughout the medieval times, Kyoto remained the capital of Japan. As the residence of emperors, this capital saw a unique set of physical and cultural developments. This course examines the various cultural elements of medieval Kyoto, as well as the conditions and changes in daily life, material productions and consumptions, and religious practices.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

Cross-listed Courses

Foreign Cultures 84. Tokyo

Historical Study A-14. Japan: Tradition and Transformation

[*History 76a (formerly *History 1858). Japanese Imperialism]

[*History 86b (formerly *History 1843). Imperial Japan and the US]

History 1623 (formerly History 1851). 20th-Century Japan

[History of Art and Architecture 18k. Introduction to Japanese Art]

Primarily for Graduates

[Japanese History 213. Sesshu]

Catalog Number: 0769

Melissa M. McCormick

Half course (fall term). F., 1–3.

Examines the artistic output, biography, and reception history of the Zen-monk painter Sesshu (1420-1506), Japan's most famous premodern artist. In addition to Sesshu's landscape paintings, portraits, and Buddhist figure paintings, topics for consideration will include the historical milieu in Kyoto and the western provinces during the Onin War (1467-77), the political power of the Ouchi clan (Sesshu's patrons), Sesshu's relationship with other monks and Zen institutions, and his eventful trip to Ming China (c. 1467).

Note: Expected to be given in 2010–11.

[Japanese History 224. Teaching Japanese Religions: Pedagogical Issues and Course Design]

Catalog Number: 6117

Helen Hardacre

Half course (fall term). Hours to be arranged.

This course offers practical experience in the design and implementation of courses in Japanese religions. Students will compile syllabi, plan discussion sessions, compose examination exercises, and consider relevant multi-media material, as well as conducting practice lectures and



classes.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 3803.

Japanese History 255. Topics in the Study of Shinto

Catalog Number: 9448

Helen Hardacre

Half course (spring term). W., 4–6. EXAM GROUP: 9

State Shinto: an examination of aspects of Shinto history and practice, 1868-1945, emphasizing recent scholarship seeking to clarify the proper use and definition of the term State Shinto.

Prerequisite: Reading knowledge of modern Japanese.

Japanese History 260r. Topics in Japanese Cultural History

Catalog Number: 4539

Shigehisa Kuriyama

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Focus for 2009-10: the imagination of money, and its relationship to the science, pictures, and writings of the Edo period. Special attention to the transition from cultures of curiosity to cultures of irony.

Prerequisite: Advanced reading knowledge of Japanese with some acquaintance with (or at least concurrent study of) *bungo* and *kambun*.

Japanese History 261. Books Since 2000: New Trends and Directions in Medieval Japanese History: Seminar - (New Course)

Catalog Number: 35243

Tomoko Kitagawa

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Through reading pairs of books and book reviews written since 2000, this course highlights new themes and recent developments, and provides a concise overview of the current research in medieval Japanese history and religion.

[Japanese History 265. The Muromachi Period: Culture and Context] - (New Course)

Catalog Number: 79695

Melissa M. McCormick

Half course (fall term). Th., 2–4.

This graduate seminar surveys the most significant scholarly literature on the cultural history of Japan's Muromachi period (ca. 1392-1573), with an emphasis on recent publications. Topics to be explored include the built environment of the capital and its institutions; cultural patronage and politics; gender and representation; the material culture of death rituals, funerals, and religious ritual; and the status of the imperial institution during this period.

Note: Expected to be given in 2010–11.

Cross-listed Courses

***History 2651 (formerly *History 2851). Japanese History: Seminar**

History 2653 (formerly History 2853). Historiography of Modern Japan: Proseminar

Religion 2070. Topics in Modern Japanese Religions - (New Course)



Japan: Literature Courses

For Undergraduates and Graduates

Japanese Literature 124. The Tale of Genji in Word and Image

Catalog Number: 2181

Melissa M. McCormick

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Introduces students to *The Tale of Genji*, often called the world's first novel, authored by the court lady Murasaki Shikibu around the year 1000 CE. In addition to a close reading of the tale, topics for examination include Japanese court culture, women's writing, and the tale's afterlife in painting, prints, drama, manga, and film.

[Japanese Literature 133 (formerly Japanese Literature 250r). Gender and Japanese Art]

Catalog Number: 2144

Melissa M. McCormick

Half course (fall term). M., 1–3.

Examines the role of gender in the production, reception, and interpretation of visual images in Japan from the twelfth through the twenty-first centuries. Topics include Buddhist conceptions of the feminine and Buddhist painting; sexual identity and illustrated narratives of gender reversals; the dynamics of voyeurism in Ukiyo-e woodblock prints; modernization of images of "modern girls" in the 1920s; and the gender dynamics of girl culture in manga and anime.

Note: Expected to be given in 2010–11.

Japanese Literature 161. Introduction to Japanese Animation - (New Course)

Catalog Number: 49149

Tomiko Yoda

Half course (fall term). M., W., at 1, and additional 2.5-hour weekly evening film screenings.

EXAM GROUP: 6

This course examines a wide range of contemporary animated films and TV series made in Japan through their generic conventions, formal aesthetics, and narrative themes. Special attention will be paid to the relations between anime and various other commercial as well as non-commercial mediums such as manga, live-action films, video games, pop music, character merchandises, and fanzines.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Japanese Literature 162. Girl Culture, Media, and Japan - (New Course)

Catalog Number: 27841

Tomiko Yoda

Half course (spring term). T., Th., 2–3:30 p.m. and some additional evening screenings to be arranged. EXAM GROUP: 16, 17

The course examines the ways in which girlhood and girl culture have figured in the construction of gender, nation, and popular medias in modern to contemporary Japan, from the 1920s to the present. We will study visual and textual mediums, including novels, magazines, films, manga, and animation, paying attention to principal transformations that have marked the history of



modern girl culture in Japan. No prior knowledge of Japanese language or history is expected.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Japanese Literature 163. Pre-modern Japanese Literature in Translation - (New Course)

Catalog Number: 80564

David James Gundry

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course provides an overview of literary works produced in Japan from the 7th century to the early 19th century. The texts examined range from imperial court poetry of a rarified decorousness to bawdy tales produced by and for members of the urban middle class and a gorily melodramatic kabuki play. We will examine these diverse genres in light of the radically different social contexts in which they were produced and consumed.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Japanese Literature 164. Romance and Eros in the Fiction of Pre-modern Japan and China - (New Course)

Catalog Number: 29042

David James Gundry

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course focuses on fiction produced in early-Tokugawa Japan and in Ming- and Qing-dynasty China, namely, selections from Ihara Saikaku's tales and novels, and portions of *The Plum in the Golden Vase* and Cao Xueqin's *The Story of the Stone/Dream of the Red Chamber*. However, because of the importance of literary allusion in Saikaku's works, the course will begin with a brief examination of texts produced in Heian-period Japan and Tang-dynasty China.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Cross-listed Courses

***Freshman Seminar 33w. Moving Pictures: Pictorial Narrative in Japan**

Primarily for Graduates

Japanese Literature 221. Gender, Nation, and Japanese Literature - (New Course)

Catalog Number: 12734

Tomiko Yoda

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This course explores the interrelated formation of gender, nation, and literature in the history of Japanese literature and literary criticism. The readings will include premodern and modern literary texts, as well as other historical and theoretical sources.

Japanese Literature 233r. Nara and Heian Court Literature

Catalog Number: 8614

Edwin A. Cranston



Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Topic: *Man 'yoshu*

Prerequisite: Japanese 106a or equivalent.

Japanese Literature 265. Selected Fiction of Ihara Saikaku: Seminar - (New Course)

Catalog Number: 13935

David James Gundry

Half course (fall term). Th., 2–5.

This course covers a wide range of fiction by Ihara Saikaku (1642-1693) and examines the issues of sexuality, prose style, literary allusion, parody, social critique, chônin cultural aspirations, and interactions between chônin and samurai characters.

Prerequisite: Japanese 106a or equivalent

Cross-listed Courses

[Comparative Literature 277. Literature and Diaspora]

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Ryuichi Abe 4974, Mikael Adolphson 1878, Edwin A. Cranston 1186 (on leave spring term), Andrew Gordon 1891, Helen Hardacre 3191, Wesley M. Jacobsen 3443, Shigehisa Kuriyama 5269, Satomi Matsumura 2665, Melissa M. McCormick 5331, and Melissa Wender 5920

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean

Catalog Number: 8739

Sang-suk Oh

Half course (fall term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Introduction to modern Korean: basic grammar, reading of simple texts, conversational skills, and writing short letters. After successful completion of this course, students are expected to be able to handle a limited number of interactive, task-oriented, and social situations and to have sufficient control of the writing system to interpret written language in areas of practical needs.

Korean Bb. Elementary Korean

Catalog Number: 8718

Sang-suk Oh

Half course (spring term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of Korean Ba.

Prerequisite: Korean Ba or equivalent.



Korean Bxa (formerly Korean Bx). Elementary Korean for Advanced Beginners

Catalog Number: 0120

Mi-Hyun Kim

Half course (fall term). M., W., F., at 9, and two additional hours to be arranged. EXAM GROUP: 2

Designed for students with significant listening and speaking background, either from prior formal learning or previous exposure to a Korean speaking community. Introductory Korean course, with emphasis on reading and writing. After successful completion of this course, students are expected be able to understand main ideas and/or some facts from the simple connected texts dealing with basic personal and social needs and to be able to meet a number of practical writing needs.

Korean Bxb (formerly Korean 102x). Elementary Korean for Advanced Beginners

Catalog Number: 3031

Kyung-ok Joo

Half course (spring term). M., W., F., at 9, and two additional hours to be arranged. EXAM GROUP: 2

Continuation of Korean Bxa.

Korean 120a (formerly Korean 102a). Intermediate Korean

Catalog Number: 5884

Mi-Hyun Kim

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of elementary Korean to consolidate students' knowledge of the fundamental grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a wide range of daily-life transactional situations. After successful completion of second-year Korean, students are expected to handle most uncomplicated communicative tasks and social situations and read consistently with understanding of simple connected texts dealing with personal and social needs.

Prerequisite: Korean Bb or equivalent.

Korean 120b (formerly Korean 102b). Intermediate Korean

Catalog Number: 8590

Kyung-ok Joo

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Korean 120a.

Prerequisite: Korean 120a or equivalent.

Korean 130a (formerly Korean 103a). Pre-advanced Korean

Catalog Number: 2071

Mi-Hyun Kim

Half course (fall term). W., F., at 2, and two additional hours to be arranged. EXAM GROUP: 7

Continuation of intermediate Korean, to consolidate the student's knowledge of the grammatical structures of Korean with an aim to increase their abilities to communicate using Korean in a



wide range of familiar and everyday topics, current societal events, and factual and concrete topics relating to personal interests. After successful completion of third-year Korean, students are expected to be able to describe and narrate about concrete and factual topics of personal and general interest.

Prerequisite: Korean 120b or equivalent.

Korean 130b (formerly Korean 103b). Pre-advanced Korean

Catalog Number: 2662

Kyung-ok Joo

Half course (spring term). M., Th., F., at 1, and an additional hour to be arranged. EXAM

GROUP: 6, 15

Continuation of Korean 130a.

Prerequisite: Korean 130a or equivalent.

Korean 140a (formerly Korean 104a). Advanced Korean

Catalog Number: 5723

Sang-suk Oh

Half course (fall term). Tu., Th., 2–4. EXAM GROUP: 16, 17

Development of skills in reading materials from contemporary Korean media and fiction and in aural comprehension of contemporary television news and drama with decreased reliance on pedagogical aids. After successful completion of fourth-year Korean, students should be able to satisfy the requirements of various everyday, school, and work situations and follow essential points of written discourse which are abstract and linguistically complex, and also to write about a variety of topics in detail with precision.

Prerequisite: Korean 130b or equivalent.

Korean 140b. Advanced Korean

Catalog Number: 3011

Sang-suk Oh

Half course (spring term). Tu., 2:30-4:30; Th., 2:30-4:30. EXAM GROUP: 16, 17, 18

Continuation of Korean 140a.

Prerequisite: Korean 140a or equivalent.

Korean 150a (formerly Korean 110a). Readings in Cultural Studies

Catalog Number: 1936

Sang-suk Oh

Half course (fall term). Th., 4–7 p.m. EXAM GROUP: 18

Selected readings in contemporary Korean on topics in art, film, drama, and cultural studies, supplemented by selections from audio-visual media on traditional and current cultural events. After completion of Korean 150a and 150b, students are expected to be able to participate in most formal and informal conversations on practical, social, professional, and abstract topics and read with almost complete comprehension and at normal speed expository prose on unfamiliar subjects and a variety of literary texts.

Prerequisite: Korean 140b or equivalent.



Korean 150b (formerly Korean 110b). Readings in Cultural Studies

Catalog Number: 1282

Sang-suk Oh

Half course (spring term). Th., 4–7 p.m. EXAM GROUP: 18

Continuation of Korean 150a.

Prerequisite: Korean 140b or equivalent.

Korea: History Courses

For Undergraduates and Graduates

Korean History 111. Traditional Korea

Catalog Number: 3709

Sun Joo Kim

Half course (fall term). Tu., Th., 10:30–12. EXAM GROUP: 12, 13

Survey of the history of Korea, from earliest times to the 19th century. Examines various interpretive approaches and issues in the political, social, economic, intellectual, cultural, and diplomatic history of premodern Korea.

Korean History 118. Social History of Premodern Korea

Catalog Number: 3231

Sun Joo Kim

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Reading and discussion of Chosôn society and culture. We will try to understand social and political structures and institutions by examining the daily life of various groups of people from top to bottom.

Cross-listed Courses

Historical Study A-75. The Two Koreas

Primarily for Graduates

Korean History 230r. Readings in Premodern Korean History

Catalog Number: 4497

Sun Joo Kim

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

A study of social, political, economic, and intellectual history of premodern Korea reviewing major scholarship in the field. Designed primarily for graduate students preparing for the general examination. All readings are in English.

Prerequisite: Korean History 111 or equivalent.

[Korean History 235r. Historical Research in Korea]

Catalog Number: 7886

Sun Joo Kim

Half course (spring term). F., 1–3.



Explores current historical research in the field of premodern Korea by reviewing major publications in the field in Korean.

Note: Expected to be given in 2010–11.

Prerequisite: Korean History 111 or equivalent and proficiency in Korean.

Korean History 240r. Selected Topics in Premodern Korean History: Seminar

Catalog Number: 9837

Sun Joo Kim

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Reading and research of selected primary sources and secondary works on premodern Korean history.

Prerequisite: Korean History 111 or equivalent and reading proficiency in Korean. Reading ability in classical Chinese and Japanese helpful.

Korean History 253r. Modern Korean History: Proseminar

Catalog Number: 0365

Carter J. Eckert

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An introduction to some of the current issues in modern Korean history through selected readings. Designed primarily for entering graduate students.

[*Korean History 255r. Modern Korean History: Seminar]

Catalog Number: 0713

Carter J. Eckert

Full course (indivisible). Th., 2–4.

Reading and research in modern Korean history. Students are required to write a seminar paper based largely on primary materials.

Note: Expected to be given in 2010–11.

Prerequisite: Korean History 253r or equivalent, and reading proficiency in Korean.

Korean History 260r (formerly Korean History 260hfr). Readings in Modern Korean History

Catalog Number: 5372

Carter J. Eckert

Full course (indivisible). Th., 2–4. EXAM GROUP: 16, 17

Explores the history of the field through an examination of major scholarship. Designed primarily for graduate students preparing for the general examination.

Korea: Literature Courses

For Undergraduates and Graduates

Korean Literature 140. Contemporary Korean Narratives in Film and Fiction - (New Course)

Catalog Number: 66375

Young-Jun Lee (Harvard University)



Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

This course offers a broad cultural examination of Korean narratives in contemporary film and fiction in historical context. We start with some post-democratization period fictions and films in the 1990s and work our way to the very recent works of the "New Women Writers" and the "New Wave Korean Films." Prerequisites: None. All readings are in English, and films are subtitled.

Cross-listed Courses

Primarily for Graduates

[Korean Literature 210r. Pre-Modern Korean Literature]

Catalog Number: 6342

David McCann

Half course (fall term). Th., 1–3.

Close reading in a number of literary forms, including the essay, histories, prose fiction, songs, poetry, and p'ansori.

Note: Expected to be given in 2010–11. Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

[Korean Literature 212. Modern Korean Poetry]

Catalog Number: 5627

David McCann

Half course (fall term). W., 1–3.

Major and minor voices in 20th and 21st-century Korean poetry. Attention to the practices of reading and translation, and to the political contexts of modern Korean poetry.

Note: Expected to be given in 2010–11. Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

[Korean Literature 230. Critical Approaches to Modern Korean Literature - \(New Course\)](#)

Catalog Number: 81482

Young-jun Lee (Harvard University)

Half course (fall term). F., 2–5. EXAM GROUP: 7, 8, 9

This course discusses current theoretical approaches to modern Korean literature and reexamines primary materials. Course Format: Proseminar for graduate students.

Prerequisite: Third year level Korean, one course on Korean literature or history.

Cross-listed Courses

[Comparative Literature 277. Literature and Diaspora]

Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122



Carter J. Eckert 1178, Sun Joo Kim 3821, David McCann 3635 (on leave fall term), and Sang-suk Oh 3856

Manchu: Language Courses

For Undergraduates and Graduates

[Manchu A. Elementary Manchu]

Catalog Number: 8961

Mark C. Elliott

Half course (fall term). Tu., Th., 10–11:30.

Introduction to Manchu grammar with elementary readings in Manchu script.

Note: Expected to be given in 2010–11.

[Manchu B. Elementary Manchu]

Catalog Number: 1625

Mark C. Elliott

Half course (spring term). Tu., Th., 10–11:30.

Readings in a variety of historical and literary texts with emphasis on Manchu documentary sources, with and without diacritical marks.

Note: Expected to be given in 2010–11.

Manchu 120a. Intermediate Manchu

Catalog Number: 4190

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Readings in a wide variety of Manchu texts. English to Manchu translation exercises.

Manchu 120b. Advanced Manchu

Catalog Number: 1414

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Intensive reading in Manchu archival materials, other historical texts and literary texts. Some texts in pre-diacritical form. English to Manchu translation exercises.

Primarily for Graduates

[Manchu 210a. Introduction to Sources for Manchu Studies]

Catalog Number: 5638

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Introduces a range of Manchu and Chinese texts used for research in Manchu studies. After reviewing the history and present state of Manjuristics, we will consider different source materials each week. Students will present oral reports and write a bibliographic essay on a topic of potential research interest.

Note: Expected to be given in 2010–11.



Prerequisite: Ability in literary Chinese and Manchu, background in Qing history. Reading ability in Japanese strongly preferred but not required.

[Manchu 210b. Introduction to Sources for Manchu Studies]

Catalog Number: 4146

Mark C. Elliott

Half course (spring term). Hours to be arranged.

Research papers prepared on the basis of primary sources.

Note: Expected to be given in 2010–11.

Prerequisite: Manchu 210a.

Graduate Courses of Reading and Research

***Manchu 300. Reading and Research**

Catalog Number: 8735

Mark C. Elliott 3329

Mongolian: Language Courses

For Undergraduates and Graduates

[Mongolian A. Elementary Written Mongolian]

Catalog Number: 2965

Mark C. Elliott

Half course (fall term). Tu., Th., 10–11:30.

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.

Note: Expected to be given in 2010–11.

[Mongolian B. Elementary Written Mongolian]

Catalog Number: 8489

Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10.

Continuation of Mongolian A.

Note: Expected to be given in 2010–11.

[Mongolian 120a (formerly Mongolian C). Intermediate Written Mongolian]

Catalog Number: 0810

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Readings in classical and modern Mongolian texts.

Note: Expected to be given in 2010–11.

[Mongolian 120b (formerly Mongolian D). Advanced Written Mongolian]

Catalog Number: 4032

Mark C. Elliott



Half course (spring term). Hours to be arranged.

Continuation of Mongolian 120a.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Mongolian 300. Reading and Research**

Catalog Number: 1345

Mark C. Elliott 3329

Tibetan and Himalayan Studies

Tibetan History

Tibetan History 100. A Cultural and Political History - (New Course)

Catalog Number: 10107

Leonard W. J. van der Kuijp

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This lecture class will examine the rich history of the Tibetan Plateau. Special attention will be paid to the rise of the Tibetan Empire (7th-9th centuries), the period when "Tibet" was part of the "Great Mongol Land" (1240-ca. 1350), and the formation of Ganden Podrang government in Lhasa (1643-1959), headed by the Dalai Lamas. The historical development of Tibetan Buddhism will also be examined, together with several of its most noteworthy institutions, including that of the reincarnate lama as exemplified by especially the Dalai and Panchen Lamas.

Cross-listed Courses

Tibetan 91r. Supervised Reading and Research

Tibetan 101b. Elementary Classical Tibetan

Tibetan 102b. Intermediate Classical Tibetan

Tibetan 104br. Elementary Colloquial Tibetan

[Tibetan 202r. Readings in Advanced Philosophical Tibetan]

[Tibetan 203. Readings in Madhyamaka/Dbu ma]

Tibetan 219. Tibetan Religious Literature

[Tibetan 227. History of Tibetology: Seminar]

***Tibetan 300. Reading and Research**

***Tibetan 302. Direction of AM Theses**

Uyghur: Language Courses

For Undergraduates and Graduates

Uyghur A. Elementary Uyghur

Catalog Number: 8767

Mark C. Elliott

Half course (fall term). Tu., Th., 8:30–10.



Introduction to Uyghur, the Turkic language spoken in China's Xinjiang Uyghur Autonomous Region and throughout Central Asia. Course covers grammar, reading and writing (in the modified Arabic alphabet adopted in the PRC), and conversation practice.

Uyghur B. Elementary Uyghur

Catalog Number: 5271

Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Continuation of Uyghur A. Completion of basic Uyghur grammar, listening and speaking practice with the aid of audio-visual materials, selected readings from Uyghur literature and academic prose.

[Uyghur 120A. Intermediate/Advanced Uyghur]

Catalog Number: 9312

Mark C. Elliott

Half course (fall term). Tu., Th., 8:30–10.

Additional training in modern Uyghur, with attention to improvement of spoken fluency and comprehension. Extensive readings in a range of genres, including historical writing and academic prose as well as religious texts.

Note: Expected to be given in 2011–12.

Prerequisite: Uyghur B or consent of instructor.

[Uyghur 120B. Intermediate/Advanced Uyghur]

Catalog Number: 4234

Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10.

Continuation of Uyghur 120A.

Note: Expected to be given in 2011–12.

Prerequisite: Uyghur 120A or consent of instructor.

***Uyghur 300. Readings in Uyghur Language and Literature**

Catalog Number: 5357

Mark C. Elliott 3329

Half course (fall term; repeated spring term). Hours to be arranged.

Guided readings in advanced Uyghur-language texts. May be repeated for credit.

Prerequisite: Uyghur 120B or consent of instructor.

Vietnam: Language Courses

For Undergraduates and Graduates

Vietnamese Ba. Elementary Vietnamese

Catalog Number: 3873

Binh Ngo

Half course (fall term). M. through F., at 9. EXAM GROUP: 2, 11

Surveys the fundamentals of Vietnamese phonetics, grammar, and vocabulary to provide



students with basic ability to understand, speak, read, and write Vietnamese. Conversational ability is stressed through an interactive, communication-oriented approach.

Vietnamese Bb. Elementary Vietnamese

Catalog Number: 9940

Binh Ngo

Half course (spring term). M. through F., at 9. EXAM GROUP: 2, 11

Continuation of Vietnamese Ba, with introduction of additional Vietnamese texts and excerpts from Vietnamese newspapers to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

Vietnamese 120a. Intermediate Vietnamese

Catalog Number: 3276

Binh Ngo

Half course (fall term). Tu., Th., at 10, and two additional hours to be arranged. EXAM GROUP: 12

Further development of speaking, reading, writing, and aural comprehension. Texts on Vietnamese geography, history, culture, and customs will be used, as well as audiotapes and videos. Students are expected to speak Vietnamese in all class discussions.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese Bb or permission of the instructor.

Vietnamese 120b. Intermediate Vietnamese

Catalog Number: 6178

Binh Ngo

Half course (spring term). T., Th., 10-11:30 and two additional hours to be arranged. EXAM GROUP: 12, 13

Continuation of Vietnamese 120a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120a or permission of the instructor.

Vietnamese 130a. Advanced Vietnamese

Catalog Number: 6287

Binh Ngo

Half course (fall term). M., W., 4-6, and two additional hours to be arranged. EXAM GROUP: 9

Development of high proficiency in Vietnamese. Introduction of complex grammar and vocabulary, using authentic Vietnamese texts, audiotapes, videos, and translation of English news articles into Vietnamese. Discussions focus on selected short stories and poems.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120b or permission of the instructor.

Vietnamese 130b. Advanced Vietnamese

Catalog Number: 3968

Binh Ngo

Half course (spring term). M., at 3, W., 3-5, Th., at 4. EXAM GROUP: 8, 9

Continuation of Vietnamese 130a.



Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 130a or permission of the instructor.

Vietnamese 140a. Advanced-High Vietnamese - (New Course)

Catalog Number: 97175

Binh Ngo

Half course (fall term). M., W., at 3, F., at 5. EXAM GROUP: 8, 9

Development of near-native fluency in oral and written expression. Modern Vietnamese literature, including short stories, excerpts from novels, and poems in the original, that were published in Vietnam from the 1930s to the present day is used to introduce the complex grammar, idioms, proverbs and some slang expressions commonly used in contemporary Vietnamese. Discussion focuses on Vietnamese culture and issues related to Vietnamese society during that period.

Prerequisite: Vietnamese 130a and 130b

Vietnamese 140b. Advanced-High Vietnamese - (New Course)

Catalog Number: 45653

Binh Ngo

Half course (spring term). M., W., at 3; F., at 5. EXAM GROUP: 8

Continuation of Vietnamese 140a.

Prerequisite: Vietnamese 140a

Vietnam: History Courses

Cross-listed Courses

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

Historical Study B-68. America and Vietnam: 1945-1975

[History 1618. Telling Lives in Asia: Conference Course]

History 1619 (formerly History 1820). Premodern Vietnam

History 1620 (formerly History 1821). Modern Vietnam

Graduate Courses of Reading and Research

***Vietnamese 300. Reading and Research**

Catalog Number: 7211

Binh Ngo 1383

Economics



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Economics

John Y. Campbell, Harvard College Professor, Morton L. and Carole S. Olshan Professor of Economics (*Chair*)

Philippe Aghion, Robert C. Waggoner Professor of Economics (*on leave spring term*)

Alberto F. Alesina, Nathaniel Ropes Professor of Political Economy (*Director of Graduate Studies*)

Attila Ambrus, Associate Professor of Economics (*on leave 2009-10*)

Pol Antràs, Professor of Economics

Silvia Ardagna, Associate Professor of Economics

Susan Athey, Professor of Economics

Anthony Barnes Atkinson, Frank W. Taussig Research Professor of Economics (*University of Oxford*) (*fall term only*)

Robert J. Barro, Paul M. Warburg Professor of Economics (*on leave spring term*)

Efraim Benmelech, Associate Professor of Economics

Gary Chamberlain, Louis Berkman Professor of Economics

Eric Chaney, Assistant Professor of Economics

Raj Chetty, Professor of Economics

Stephen T. Coate, Visiting Professor of Economics

Richard N. Cooper, Maurits C. Boas Professor of International Economics (*on leave fall term*)

David M. Cutler, Otto Eckstein Professor of Applied Economics

Ulrich Doraszelski, Associate Professor of Economics

Stanley Engerman, Visiting Professor of Economics (*University of Rochester*) (*spring term only*)

Emmanuel Farhi, Assistant Professor of Economics (*on leave fall term*)

Martin Feldstein, George F. Baker Professor of Economics

Erica M. Field, Assistant Professor of Economics, Associate Professor of Economics (*on leave spring term*)

Christopher L. Foote, Visiting Lecturer on Economics (*spring term only*)

Richard B. Freeman, Herbert S. Ascherman Professor of Economics

Benjamin M. Friedman, William Joseph Maier Professor of Political Economy

Roland G. Fryer, Robert M. Beren Professor of Economics

Drew Fudenberg, Frederic E. Abbe Professor of Economics

Kiran Gajwani, College Fellow in the Department of Economics

Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics

Claudia Goldin, Henry Lee Professor of Economics (*on leave spring term*)

Gita Gopinath, Associate Professor of Economics

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave 2009-10*)

Oliver S. Hart, Andrew E. Furer Professor of Economics

Elhanan Helpman, Galen L. Stone Professor of International Trade

Richard A. Hornbeck, Assistant Professor of Economics

Rustam Ibragimov, Associate Professor of Economics

Guido W. Imbens, Professor of Economics

Julian Jamison, Lecturer on Economics



Dale W. Jorgenson, Samuel W. Morris University Professor (*on leave fall term*)
 Lawrence F. Katz, Elisabeth Allison Professor of Economics (*on leave spring term*)
 Michael R. Kremer, Gates Professor of Developing Societies (*on leave fall term*)
 David I. Laibson, Harvard College Professor, Robert I. Goldman Professor of Economics (*on leave spring term*)
 Owen A. Lamont, Visiting Lecturer on Economics (*fall term only*)
 Gregory M. Lewis, Assistant Professor of Economics (*on leave 2009-10*)
 N. Gregory Mankiw, Robert M. Beren Professor of Economics
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 James L. Medoff, Meyer Kestnbaum Professor of Labor and Industry (*on leave 2009-10*)
 Marc J. Melitz, Professor of Economics
 Jeffrey A. Miron, Senior Lecturer on Economics (*Director of Undergraduate Studies*)
 Markus M. Möbius, Associate Professor of Economics (*on leave fall term*)
 Julie H. Mortimer, Associate Professor of Economics
 Sendhil Mullainathan, Professor of Economics
 Nathan J. Nunn, Assistant Professor of Economics (*on leave 2009-10*)
 Ariel Pakes, Thomas Professor of Economics (*on leave spring term*)
 Kenneth Rogoff, Thomas D. Cabot Professor of Public Policy
 Alvin E. Roth, George Gund Professor of Economics and Business Administration
 Amartya Sen, Lamont University Professor
 Andrei Shleifer, Professor of Economics (*on leave fall term*)
 Jonathan Skinner, Visiting Professor of Economics (*Dartmouth College*) (*fall term only*)
 Douglas O. Staiger, Visiting Professor of Economics (*Dartmouth College*) (*spring term only*)
 Jeremy C. Stein, Moise Y. Safra Professor of Economics
 James H. Stock, Harold Hichings Burbank Professor of Political Economy (*on leave 2009-10*)
 Tomasz Strzalecki, Assistant Professor of Economics
 Lawrence H. Summers, Charles W. Eliot University Professor
 Martin L. Weitzman, Professor of Economics

Other Faculty Offering Instruction in the Department of Economics

Alberto Abadie, Professor of Public Policy (*Kennedy School*)
 Nava Ashraf, Assistant Professor of Business Administration (*Business School*)
 Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*)
 George Pierce Baker, Herman C. Krannert Professor of Business Administration (*Business School*)
 Amitabh Chandra, Professor of Public Policy (*Kennedy School*)
 Peter A. Coles, Assistant Professor of Business Administration (*Business School*)
 Mihir A. Desai, Mizuho Financial Group Professor of Finance (*Business School*)
 Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)
 Rema N. Hanna, Assistant Professor of Public Policy (*Kennedy School*)
 William Robert Kerr, Assistant Professor MBA Class of 1961 Fellow (*Business School*)
 Asim I. Khwaja, Associate Professor of Public Policy (*Kennedy School*)
 Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)



Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)

Rohini Pande, Mohamed Kamal Professor of Public Policy (*Kennedy School*)

James Robinson, David Florence Professor of Government

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Donald B. Rubin, John L. Loeb Professor of Statistics

David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Tutorials, Junior Seminars, and Senior Thesis Seminars in Economics

Primarily for Undergraduates

***Economics 910r. Supervised Reading and Research**

Catalog Number: 1020

Jeffrey A. Miron

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper on a topic or topics not covered by regular courses.

Note: Does not count for concentration credit and may not be taken Pass/Fail. Requires signatures of the adviser and of the Director of Undergraduate Studies. Application available at the Economics Undergraduate Office at Littauer Center, North Yard.

***Economics 970. Tutorial — Sophomore Year**

Catalog Number: 7923

Jeffrey A. Miron

Half course (fall term; repeated spring term). Fall: W., 2-3:30. First meeting only September 2, 2009; Spring: M., 2-3:30. First meeting only January 25, 2010.

A series of small seminars focusing on applications of economic theory to real problems.

Note: One term required of all Economics concentrators. Enrollment limited to concentrators.

Prerequisite: Both terms of Social Analysis 10 (or equivalent); Statistics 100, 104, or 110; Economics 1010a or 1011a and current enrollment in Economics 1010b or 1011b.

***Economics 975 (formerly *Economics 980). Tutorial — Theory Review**

Catalog Number: 3281

Jeffrey A. Miron

Half course (fall term). Tu., Th., 1-2:30.

A thorough review of intermediate microeconomics and macroeconomics.

Note: Required of and limited to concentrators who received below a B-/C+ average in the Economics 1010/1011 sequence.

Economics 985 Senior Thesis Seminars

These seminars are limited to seniors writing senior honor theses. Each seminar focuses on the research topics of interest to the participants. Emphasis is placed on research design,



methodological problems, literature review, and sources of data. Regular student presentations of work in progress are required. An Economics 985 seminar taken in the senior year substitutes for Economics 990, and seniors will not be allowed to enroll concurrently in both courses. All 985 seminars are limited to 16 students.

***Economics 985a. Research in Microeconomics**

Catalog Number: 7166

Jeffrey A. Miron and members of the Department

Full course. Fall: Tu., 4-6; Spring: Hours to be arranged.

Workshop for seniors writing theses in theoretical and applied microeconomics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985c. Research in Labor Economics**

Catalog Number: 5409

Jeffrey A. Miron and members of the Department

Full course. Fall: W., 1-3; Spring: Hours to be arranged. EXAM GROUP: Fall: 6, 7

Workshop for seniors writing theses in labor economics and related topics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985d. Research in Economic Development**

Catalog Number: 4989

Jeffrey A. Miron and members of the Department

Full course. Fall: W., 2:30-4:30; Spring: Hours to be arranged.

Workshop for seniors writing theses in the areas of economic history and economic development, including health and population issues. Emphasis on choice of research topics, methodologies, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985e. Research in Macroeconomics**

Catalog Number: 3740

Jeffrey A. Miron and members of the Department

Full course. Fall: M., 4-6; Spring: Hours to be arranged.

Workshop for seniors writing theses in the fields of monetary and fiscal policy, business cycles, and economic growth. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985f. Research in International Trade and Finance**

Catalog Number: 7157

Jeffrey A. Miron and members of the Department

Full course. Fall: W., 3-5; Spring: Hours to be arranged. EXAM GROUP: 8, 9

Workshop for seniors writing theses in international trade and finance. Emphasis on choice of



research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985g. Research in Behavioral and Experimental Economics**

Catalog Number: 2566

Jeffrey A. Miron and members of the Department

Full course. Fall: Tu., 4-6; Spring: Hours to be arranged.

Workshop for seniors writing theses in behavioral and experimental economics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required.

***Economics 985h. Research in Financial Markets**

Catalog Number: 0350

Jeffrey A. Miron and members of the Department

Full course. Fall: Th., 4-6; Spring: Hours to be arranged.

Workshop for seniors writing theses in finance. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honor thesis are required. Topics include asset pricing and corporate finance.

***Economics 985k. Research in Public Economics**

Catalog Number: 0871

Jeffrey A. Miron and members of the Department

Full course. Fall: Th., 3-5; Spring: Hours to be arranged.

Workshop for seniors writing theses in public economics. Emphasis on choice of research topics, methodology, and data sources. Written and oral presentations of work in progress leading toward completion of a major research paper or senior honors thesis are required. Topics have included taxation, health economics, environmental and resource economics, and education.

***Economics 990. Tutorial — Senior Year**

Catalog Number: 7342

Jeffrey A. Miron and members of the Department

Full course. Hours to be arranged.

Note: Students who are writing a senior thesis out of sequence (i.e., beginning in the spring) must enroll in Economics 990 in the spring and complete the course in the fall. Students must write a 25-page paper at the end of the first term of Economics 990. Students currently enrolled in Economics 985 may not enroll in Economics 990.

General Economics; Economic Theory; History of Economics

For Undergraduates and Graduates

Economics 1010a. Microeconomic Theory

Catalog Number: 1862



Jeffrey A. Miron

Half course (fall term). M., W., F., at 10, and a one-hour weekly section to be arranged. EXAM GROUP: 3

Focuses on the optimizing behavior of individual consumers and firms and coordination of individual decisions through markets, including the evaluation of market outcomes. Topics include: theory of the consumer, theory of the firm, decisions involving time and risk, perfect competition, monopoly and monopsony, oligopoly and game theory, markets with asymmetric information, and externalities and public goods.

Note: Economics 1010a fulfills the intermediate microeconomic theory requirement for Economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10 and Mathematics 1a or their equivalents.

Economics 1010b. Macroeconomic Theory

Catalog Number: 2924

Christopher L. Foote

Half course (spring term). M., W., F., at 9, and a one-hour weekly section to be arranged. EXAM GROUP: 2

Theories and evidence on economic growth and fluctuations. Determination of gross domestic product, investment, consumption, employment, and unemployment. Analysis of interest rates, wage rates, and inflation. Roles of fiscal and monetary policies. Extensions to the international economy.

Note: Economics 1010b fulfills the intermediate macroeconomic theory requirement for Economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Social Analysis.

Prerequisite: Social Analysis 10. While no specific mathematics course is required, knowledge of calculus at the level of Mathematics 1a is assumed.

Economics 1011a. Microeconomic Theory

Catalog Number: 7230

Edward L. Glaeser

Half course (fall term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Economics 1011a is similar to Economics 1010a, but more mathematical and covers more material. The course teaches the basic tools of economics and to apply them to a wide range of human behavior. Tools include consumer theory, optimization under uncertainty, game theory, welfare economics, incentive theory, and the economics of information. Topics include industrial organization, public finance, law and economics, the economics of the family, religion, and riots.

Note: Economics 1011a fulfills the intermediate microeconomic theory requirement for Economics concentrators. Students may take either Economics 1010a or Economics 1011a for credit. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Social Analysis.

Prerequisite: Mathematics 21a or permission of the instructor.



Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

David I. Laibson and Philippe Aghion

Half course (spring term). Tu., Th., 10-11:30, and a one-hour weekly section to be arranged.

EXAM GROUP: 12, 13

The same topics as in 1010b, but with a more mathematical approach.

Note: Economics 1011b fulfills the intermediate macroeconomic theory requirement for Economics concentrators. Students may take either Economics 1010b or Economics 1011b for credit. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Social Analysis.

Prerequisite: Economics 1011a, Mathematics 21a, or permission of the instructor.

[Economics 1017. A Libertarian Perspective on Economic and Social Policy]

Catalog Number: 1197

Instructor to be determined

Half course (spring term). Hours to be arranged.

Analyses the libertarian perspective on economic and social policy. This perspective differs from both liberal and conservative views, arguing for minimal government in most arenas. Policies addressed include drug prohibition, gun control, public education, abortion rights, gay marriage, income redistribution, and campaign finance regulation.

Note: Expected to be given in 2010–11.

Prerequisite: Social Analysis 10a and concurrent enrollment in Social Analysis 10b.

Economics 1018. Cultural Economics

Catalog Number: 1775

Alberto F. Alesina

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the importance of culture on economic outcomes, focusing on how heterogeneity of preferences affects economic choices and where those differences come from. Theoretical topics include group identity, social interactions and networks, evolutionary selection, the importance of the family. Empirical applications include international investment, savings, occupational choices, ethical norms, economic development, fertility decisions.

Prerequisite: Economics 1010a or 1011a, and Economics 1123.

[Economics 1030. Psychology and Economics]

Catalog Number: 4709

Instructor to be determined

Half course (spring term). Hours to be arranged.

Psychological concepts include social preferences, impulsivity, bounded rationality, loss-aversion, over-confidence, self-serving biases, hedonics, and neuroscience. Economic concepts include arbitrage, equilibrium, rational choice, utility maximization, Bayesian beliefs, game theory. Integrates these psychological and economic concepts to understand behavioral phenomena such as portfolio choice, saving, procrastination, addiction, asset pricing, auction bidding, labor supply, cooperation, persuasion.

Note: Expected to be given in 2010–11.

Prerequisite: Social Analysis 10 and knowledge of univariate calculus.



Economics 1032. The Packing Problem: The Behavioral Economics of Scarcity - (New Course)

Catalog Number: 48309

Sendhil Mullainathan

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Why do highly successful people have a rush of energy and get things done at the last minute? Why didn't they have that rush earlier? Why does poverty persist around the world? Why is obesity rampant? This course argues that all these questions can be understood by understanding the behavioral economics of scarcity. The course will span concepts from mathematics of computation, psychology, evolutionary biology to numerous economic applications.

Note: A research paper is required. This course meets the concentration writing requirement.

Prerequisite: Social Analysis 10, an introductory course in Psychology, and Statistics 100, 101 or 104.

[Economics 1035. Policy Applications of Psychology and Economics]

Catalog Number: 1687 Enrollment: Limited to 30.

Instructor to be determined

Half course (fall term). Hours to be arranged.

Integrates psychological with economic approaches to traditional public policy issues. International applications include public health, epidemics such as AIDS, fertility, education and psychological impacts of poverty. Domestic applications include discrimination and affirmative action, drugs, crime and unemployment.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1010a or 1011a.

[Economics 1051. Introduction to Game Theory]

Catalog Number: 3692

Attila Ambrus

Half course (spring term). Hours to be arranged.

Presents an introduction to the modern game theory, focusing on its use in economics. Main ideas of game theory are introduced and illustrated using examples from industrial organization, labor economics, and macroeconomics.

Note: Expected to be given in 2010–11. Students may not take both Economics 1051 and Economics 1052 for credit.

Prerequisite: Economics 1010a or 1011a.

Economics 1052. Advanced Game Theory

Catalog Number: 2634

Markus M. Möbius

Half course (spring term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

Introduction to game theory and its applications to economics at a high level of rigor. Topics include extensive form and strategic form games, Nash's equilibrium and existence theorem, subgame-perfect equilibrium, Bayesian equilibrium, and applications to repeated games, auctions, and bargaining.

Note: Students may not take both Economics 1051 and Economics 1052 for credit. This course offers an optional writing requirement which if completed will satisfy the concentration writing



requirement.

Prerequisite: Economics 1011a and Mathematics 21a, or equivalent.

Economics 1056. Market Design - (New Course)

Catalog Number: 69207 Enrollment: Limited to 40.

Susan Athey

Half course (spring term). Tu., Th., 2:30-4. EXAM GROUP: 16, 17

This course studies the design of organized markets, focusing on efficient organization and the incentives created by market rules. Applications include online auction markets, government auctions of natural resources, procurement auctions, matching markets (students to classes or schools, medical residents to hospitals, kidneys to recipients). The analysis relies on a mix of documenting the rules of real-world markets, game theoretic analysis, empirical analysis, and experimental work. A research paper is optional with advance permission of instructor.

Prerequisite: 1011a plus one of 1051, 1052, 1060, 1070, 1640, 1641, or permission of instructor

Economics 1059. Decision Theory (formerly Theories of Decisionmaking in Economics)

Catalog Number: 1322

Tomasz Strzalecki

Half course (spring term). M., W., 1-2:30, and a weekly section to be arranged. EXAM GROUP: 6, 7

An introduction to formal models of decision making in economics, including both classical and psychologically-motivated approaches. Topics include risk, uncertainty, ambiguity, and temptation.

Prerequisite: Economics 1010a or 1011a and Mathematics 21a.

Economics 1060. Contracts and Organizations

Catalog Number: 3267

Oliver S. Hart

Half course (spring term). M., W., 2:30-4, and a weekly section to be arranged. EXAM GROUP: 7, 8

Explores theoretical and empirical work on incentive problems within and between organizations (with more emphasis on the theory). Topics include agency problems arising from moral hazard and asymmetric information, team problems, career concerns, relational contracts, incomplete contracts, boundaries of the firm, authority and delegation, financial contracting, public ownership.

Note: This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.

Prerequisite: Economics 1010a or 1011a, Mathematics 20.

[Economics 1070. Normative Economics]

Catalog Number: 5972

Jerry R. Green

Half course (spring term). Hours to be arranged.

Voting theory, social choice, mechanism design, bargaining theory, cooperative game theory, equitable cost allocation, fair division, welfare analysis of taxation, public expenditures and risk bearing. This course offers a rigorous approach to normative economics. Students should have an



interest and ability to work with abstract mathematics and axiomatic reasoning.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1051 or 1052.

Economics 1776. Religion and the Rise of Capitalism - (New Course)

Catalog Number: 30419

Benjamin M. Friedman

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Examines the influence of religious thinking on the intellectual revolution, associated with Adam Smith and others, that created economics as we know it as an independent discipline; also examines how the lasting resonances from these early religious influences continue to shape discussion of economic issues and debates about economic policy down to our own day.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Prerequisite: Social Analysis 10.

Primarily for Graduates

Economics 2001. The Behavioral & Experimental Economics Workshop

Catalog Number: 8732

David I. Laibson (fall term), Edward L. Glaeser, Sendhil Mullainathan, and Alvin E. Roth (FAS, Business School)

Full course (indivisible). Tu., 2:30–4. EXAM GROUP: 16, 17

Presents current research in the Behavioral and Experimental Economics field.

***Economics 2010a. Economic Theory**

Catalog Number: 8656

Edward L. Glaeser and Drew Fudenberg

Half course (fall term). Tu., Th., 10-11:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 12, 13

Covers the theory of individual and group behavior. Topics include consumer theory, producer theory, behavior under uncertainty, externalities, monopolistic distortions, game theory, oligopolistic behavior, and asymmetric information.

Note: Enrollment is limited to students in the economics and business economics PhD programs.

Prerequisite: Mathematics 116 or equivalent; can be taken concurrently.

Economics 2010b. Economic Theory

Catalog Number: 8659

Oliver S. Hart and Jerry R. Green

Half course (spring term). Tu., Th., 10-11:30, and a 90-minute weekly section to be arranged.

EXAM GROUP: 12, 13

Topics include social choice theory, signaling, mechanism design, general equilibrium, the core, externalities, and public goods.

Prerequisite: Economics 2010a.



Economics 2010c. Economic Theory

Catalog Number: 4431

David I. Laibson and Robert J. Barro

Half course (fall term). Tu., Th., 1-2:30, and a 90-minute weekly section to be arranged. EXAM GROUP: 15, 16

Topics include discrete-time and continuous-time dynamic programming, consumption, investment, economic growth, and business cycles.

Note: Enrollment is strictly limited to PhD students in the Economics Department, Business Economics program, and PEG program. Qualified Harvard undergraduates may also enroll. No other students may take the course for credit or as auditors.

Economics 2010d. Economic Theory

Catalog Number: 2041

Benjamin M. Friedman, Emmanuel Farhi, and Kenneth Rogoff

Half course (spring term). M., W., 8:30-10, and a 90-minute section to be arranged. EXAM GROUP: 1, 2

A basic course in graduate macroeconomics, including models of business fluctuations, analyses of monetary and fiscal policy, and introduction to open economy macroeconomic issues.

Note: Enrollment is strictly limited to PhD students in the Economics Department, Business Economics program, and PEG program. Qualified Harvard undergraduates may also enroll. No other students may take the course for credit or as auditors.

Prerequisite: Mathematics 116 or the equivalent; can be taken concurrently.

***Economics 2020a. Microeconomic Theory I**

Catalog Number: 0339 Enrollment: Limited to 102.

Christopher N. Avery (Kennedy School)

Half course (fall term). M., W., at 8:30-10 a.m. and a weekly section to be arranged. EXAM GROUP: 1, 2

A comprehensive course in economic theory designed for doctoral students in all parts of the University. Consumption, production, uncertainty, markets, general equilibrium. Applications to policy analysis and business decisions. Emphasizes the use of economic theory in practical research.

Note: Offered jointly with the Kennedy School as API-111 and with the Business School as 4010.

Prerequisite: Two years of calculus and one course in probability theory. Thorough background in microeconomic theory at the intermediate level. Undergraduates with the appropriate background are welcome.

***Economics 2020b. Microeconomic Theory II**

Catalog Number: 4058

Christopher N. Avery (Kennedy School), Julian Jamison, and Elon Kohlberg (Business School)

Half course (spring term). M., W., 8:30-10 and a weekly section to be arranged. EXAM GROUP: 1, 2

A continuation of Economics 2020a. Topics include game theory, economics of information, incentive theory, and welfare economics.

Note: Offered jointly with the Kennedy School as API-112 and with the Business School as



4011.

Prerequisite: Economics 2010a or 2020a.

Economics 2030. Psychology and Economics

Catalog Number: 3828

Sendhil Mullainathan

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Explores economic and psychological models of human behavior. Theoretical topics include bounded rationality, intertemporal choice, decision making under uncertainty, inference, choice heuristics, and social preferences. Economic applications include asset pricing, corporate finance, macroeconomics, labor, development, and industrial organization.

Note: Primarily for graduate students but open to undergraduates.

Prerequisite: Knowledge of multivariable calculus and econometrics.

Economics 2040. Experimental Economics

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth (FAS, Business School)

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3, 4

An introduction to experimental economics, and some of the major subject areas that have been addressed by laboratory experiments. We concentrate on series of experiments, to see how experiments build on one another.

Note: Open to undergraduates with permission of the instructor. Offered jointly with the Business School as 4160.

[Economics 2041. Field Experiments]

Catalog Number: 2427

Instructor to be determined

Full course (spring term). Hours to be arranged.

Students will design and run field experiments as a research methodology. Students will refine their own experimental designs and be able to run them by the end of the course, leading to an academic paper.

Note: Expected to be given in 2010–11. Offered jointly with the Business School as 4430.

Enrollment is limited to Doctoral students intending to run a field experiment in the near future.

Economics 2052. Game Theory I: Equilibrium Theory

Catalog Number: 3690

Drew Fudenberg

Half course (spring term). M., 4–7 pm. EXAM GROUP: 9

Equilibrium analysis and its applications. Topics vary, but typically include equilibrium refinements (sequential equilibrium), the equilibria of various classes of games (repeated games, auctions, signaling games) and the definition and application of common knowledge.

Prerequisite: Economics 2010a or permission of the instructor.

[Economics 2053. Game Theory II: Topics in Game Theory]

Catalog Number: 1898

Instructor to be determined



Half course (fall term). Hours to be arranged.

Aimed at students planning to do research in game theory. Topics vary from year to year; examples include evolutionary game theory, models of learning and imitation, epistemological models, coalitional agreements, and the foundations of games of incomplete information.

Note: Expected to be given in 2010–11.

[Economics 2054. Social Choice and Welfare Economics]

Catalog Number: 1118

Instructor to be determined

Half course (fall term). Hours to be arranged.

A basic course in social choice theory and its philosophical foundations. An examination of “impossibility” results, collective rationality, domain restrictions, interpersonal comparability, and the role of rights and liberties.

Note: Expected to be given in 2010–11.

Economics 2056a (formerly Economics 2056). Market Design

Catalog Number: 3634

Alvin E. Roth (FAS, Business School), and Peter A. Coles (Business School)

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3, 4

Deals with the theory and practice of market design, with prominent examples drawn from auctions, labor markets, school choice, and kidney exchange.

Note: Open to undergraduates with permission of the instructors. Offered jointly with the Business School as 4150.

Prerequisite: Game theory.

Economics 2056b. Topics in Market Design

Catalog Number: 0402

Susan Athey

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Studies topics in market design, focusing on auctions, auction-based marketplaces and platform markets. Covers methods and results from theory, empirical work, econometrics and experiments, highlighting practical issues in real-world design.

Economics 2057. Rationality and Choice

Catalog Number: 3755 Enrollment: Limited to 25.

Amartya Sen

Half course (spring term). M., 1–3, M., 4–6. EXAM GROUP: 6, 7, 9

The course involves critical examination of alternative approaches to rationality, which is a central concept in economics, politics and the other social sciences, moral and political philosophy, and legal theory, including law and economics.

Note: Meets bi-weekly with Christine Jolls of Yale University as a guest speaker in several meetings. Open to graduate students in Economics, Philosophy, Government and Law.

Economics 2058. Networks and Social Capital

Catalog Number: 2872

Markus M. Möbius



Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Provides a rigorous theoretical introduction into network models. Discusses the emerging empirical literature on economic and social networks. Topics include the role of networks in technological progress, buyer-supplier networks, and social capital.

[Economics 2059. Decision Theory]

Catalog Number: 3825

Instructor to be determined

Half course (spring term). Hours to be arranged.

First half focuses on classical models of choice theory, formalizing the notion of rationality and exploring its behavioral implications. The second half focuses on recent research, incorporating insights from psychology and allowing for boundedly-rational agents.

Note: Expected to be given in 2010–11.

Economics 2060. Contract Theory

Catalog Number: 1404

Philippe Aghion

Half course (fall term). M., W., 11:30–1. EXAM GROUP: 4, 5

Recent developments in contract theory. Includes hidden action and hidden information models, dynamic agency issues, incomplete contracts, and applications of contract theory to theories of the firm and corporate financial structure.

[Economics 2061. Dynamic Games and Contracts]

Catalog Number: 4138

Instructor to be determined

Half course (fall term). Hours to be arranged.

This course develops methods for analyzing repeated and dynamic games and contracts in environments with hidden information and moral hazard problems. Applications include collusion, bilateral trade, and mutual insurance. This course complements Economics 2415.

Note: Expected to be given in 2010–11.

[Economics 2070. Economics of Information]

Catalog Number: 5647

Instructor to be determined

Half course (fall term). Hours to be arranged.

A research seminar for students considering work in economic theory. Topics include: voting theory; cooperative game theory (complete and incomplete information); models of quasi-rational behavior (reason-based choice, random choice models, complexity); general equilibrium with adverse selection.

Note: Expected to be given in 2010–11. Offered jointly with the Business School as 4165.

[Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory]

Catalog Number: 6576

Instructor to be determined

Half course (spring term). Hours to be arranged.



Offers graduate students in relevant disciplines the chance to study the historical origins of central ideas in modern economics and to discuss their philosophical character.

Note: Expected to be given in 2010–11.

Prerequisite: A basic knowledge of economics is assumed.

Economics 2085. Economics of Inequality and Poverty - (New Course)

Catalog Number: 16767 Enrollment: Limited to 25.

Amartya Sen and Anthony B. Atkinson (Oxford University)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A general course on the evaluation and axiomatic measurement of inequality and poverty, and on the analysis of contemporary economic problems in that light.

Note: First class meeting will be September 8.

***Economics 2086. The Theory Workshop**

Catalog Number: 6378

Drew Fudenberg, Susan Athey, Markus M. Möbius (fall term), Tomasz Strzalecki, and Alvin E. Roth

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

For students with an interest in economic theory. Faculty presentations by Harvard and MIT economists and invited guests. The location alternates between Harvard and MIT.

[Economics 2099. Topics in the History of Economic Thought]

Catalog Number: 9529

Instructor to be determined

Half course (fall term). Hours to be arranged.

Topics covered: (1) Efficiency vs distribution as the engine of change. (2) Can socialism allocate resources efficiently without markets? (3) Was there a Keynesian revolution? (4) The transformation of self interest from vice to virtue. (5) Economics and ecology. (6) Justifications of the focus on efficiency.

Note: Expected to be given in 2010–11.

Prerequisite: Graduate-level course in microeconomic theory. Ec 2010a and b, Ec 2020a and b, or equivalent.

Econometrics and Quantitative Methods

For Undergraduates and Graduates

Economics 1123. Introduction to Econometrics

Catalog Number: 0813

Eric Chaney (fall term) and Guido W. Imbens (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30-1; Spring: Tu., Th., 1-2:30, and a weekly section to be arranged. EXAM GROUP: Fall: 13, 14; Spring: 15, 16

An introduction to multiple regression techniques with focus on economic applications.

Discusses extensions to discrete response, panel data, and time series models, as well as issues such as omitted variables, missing data, sample selection, randomized and quasi-experiments, and instrumental variables. Aims to provide students with an understanding of and ability to



apply econometric and statistical methods using computer packages.

Note: Students may take either Economics 1123 or Statistics 139 for credit. Statistics 139 will not count as econometrics requirement. Also, Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or Core requirement for Quantitative Reasoning.

Prerequisite: Statistics 100.

Economics 1126. Quantitative Methods in Economics

Catalog Number: 4076

Gary Chamberlain

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Topics include elements of statistical decision theory and related experimental evidence; some game theory and related experimental evidence; maximum likelihood; logit, normal, probit, and ordered probit regression models; panel data models with random effects; omitted variable bias and random assignment; incidental parameters and conditional likelihood; demand and supply.

Note: Economics 1123 may not be taken for credit if taken after Economics 1126, but credit will be given for both courses if Economics 1123 is taken first. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Prerequisite: Statistics 100 or preferably 110; Mathematics 20.

Economics 1127. Statistical Methods for Evaluating Causal Effects

Catalog Number: 9967

Donald B. Rubin

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Statistical methods discussed for inferring causal effects from data from randomized experiments or observational studies. Students will develop expertise to assess the credibility of causal claims and the ability to apply the relevant statistical methods for causal analyses. Examples will come from many disciplines: economics, education, other social sciences, epidemiology, and biomedical science. Evaluations of job training programs, educational voucher schemes, changes in laws such as minimum wage laws, medical treatments, smoking, military service.

Prerequisite: Statistics 100 or preferably Statistics 111; Mathematics 20.

Cross-listed Courses

Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities

Statistics 104. Introduction to Quantitative Methods for Economics

Statistics 110. Introduction to Probability

Primarily for Graduates

Economics 2110. Introductory Probability and Statistics for Economists

Catalog Number: 7213

Rustam Ibragimov

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Introduction to probability and statistics. Emphasis on general methods applicable to both



econometrics and economic theory. Topics include probability spaces, random variables, limit laws, estimation, hypothesis testing, and Bayesian methods.

Prerequisite: Statistics (Stat 100), Linear Algebra and Calculus (Math 21a and 21b), and Real Analysis (Math 112).

Economics 2120. Introduction to Applied Econometrics

Catalog Number: 2352

Gary Chamberlain

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to methods employed in applied econometrics, including linear regression, instrumental variables, panel data techniques, generalized method of moments, and maximum likelihood. Includes detailed discussion of papers in applied econometrics and computer exercises using standard econometric packages.

Note: Enrollment limited to PhD candidates in economics, business economics, health policy, public policy, and political economy and government (PEG). Offered jointly with the Kennedy School as API-217.

Prerequisite: Economics 2110 or API-209 or the equivalent.

[Economics 2130. Applied Econometrics]

Catalog Number: 2211

Dale W. Jorgenson

Half course (spring term). Hours to be arranged.

Advanced methods in applied econometrics, including nonlinear regression, discrete and limited dependent variables, models of selection, and stationary and non-stationary time series. Includes detailed discussion of empirical applications.

Note: Expected to be given in 2010–11. Students complete a short research project in applied econometrics. Offered jointly with the Kennedy School as API-218.

Prerequisite: Economics 2120 or equivalent.

Economics 2140. Econometric Methods

Catalog Number: 7210

Guido W. Imbens

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Econometric methods for cross-section and panel data. Topics include generalized method of moments, empirical likelihood, instrumental variables, bootstrapping, clustering, treatment effects, selection bias, difference-in-differences, qualitative choice, quantile regression, nonparametric methods, and semiparametric methods.

Prerequisite: Economics 2120 or equivalent.

Economics 2142. Time Series Analysis

Catalog Number: 4414

James H. Stock and Rustam Ibragimov

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A survey of modern time series econometrics. Topics include univariate models, vector autoregressions, linear and nonlinear filtering, frequency domain methods, unit roots, structural



breaks, empirical process theory asymptotics, forecasting, and applications to macroeconomics and finance.

[Economics 2144. Advanced Applied Econometrics]

Catalog Number: 7686

Instructor to be determined

Half course (spring term). Hours to be arranged.

An introduction to the theory and application of recently developed econometric techniques used in advanced applied work. Simulation techniques, estimation subject to inequality restrictions, as well as semiparametric and nonparametric tools will be studied in a variety of empirical contexts.

Note: Expected to be given in 2010–11.

Economics 2146. Topics in Financial Econometrics

Catalog Number: 8715

Rustam Ibragimov

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A seminar course in financial econometrics. The topics covered include testing stylized facts in finance, robust inference, testing return predictability and market efficiency, inference in consumption-based asset pricing models and applications to real data.

Prerequisite: Economics 2120 or equivalent.

Economics 2149. Computational Economics

Catalog Number: 7236

Ulrich Doraszelski

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2

Graduate introduction to computational approaches for solving economic models. Formulate economic problems in computationally tractable form and use techniques from numerical analysis to solve them. Examples of computational techniques in the current economics literature will be examined.

Economics 2162. The Econometrics Workshop

Catalog Number: 2372

Guido W. Imbens, Alberto Abadie (Kennedy School), Gary Chamberlain, Rustam Ibragimov, Dale W. Jorgenson (spring term), and James H. Stock

Full course. Th., 4:30–6. EXAM GROUP: 18

Current research topics in theory and applications of econometrics.

Cross-listed Courses

Economic History; Development Economics

For Undergraduates and Graduates

[Economics 1320. The Latin American Economy]

Catalog Number: 2454 Enrollment: Limited to 40.

Instructor to be determined



Half course (spring term). Hours to be arranged.

Economic analysis of historical episodes that have shaped recent development strategies in the region. Focuses on the determinants of growth and income inequality, volatile financial markets, and rapid urbanization. Analyzes country-specific experiences to evaluate stabilization, trade, regulation, poverty alleviation, and environmental policies.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1010a or 1011a. Prior knowledge of economic development and international finance would be an advantage.

Economics 1341. The Historical Origins of Middle Eastern Development

Catalog Number: 9328

Eric Chaney

Half course (fall term). Tu., Th., 2:30-4;. EXAM GROUP: 16, 17

Middle Eastern countries enjoyed world economic leadership during the Middle Ages, and continue to play an important role in the world economy. This course will explore the historical development of Middle Eastern economies. Topics include the effects of colonialism, natural resource endowments and religion on economic growth. The course will emphasize how these and other historical factors continue to influence development prospects in the region today.

Note: A research paper is required. This course meets the concentration writing requirement.

Prerequisite: Social Analysis 10

Economics 1356. Economics of Work and Family - (New Course)

Catalog Number: 17685

Claudia Goldin

Half course (fall term). M., W., 1-2:30. EXAM GROUP: 6, 7

How are the most personal choices and life transitions decided, including when and whom to marry, how many children to have, how much education to obtain, and which careers or jobs to pursue? Much will be explored in terms of change over time, particularly concerning the economic emergence of women as well as the role of the state. Readings draw on economic theory, empirical analyses, and historical works and literature from the 19th century to the present.

Note: A research paper is required for this course. This course cannot be taken Pass/Fail and cannot be taken by anyone who has taken Ec980b. This course, when taken for a letter grade, meets the General Education requirement for United States in the World or the Core area requirement for Social Analysis."

Prerequisite: Ec1010a or Ec1011a or equivalent, and Ec1123 or Ec1126 or equivalent or permission of instructor.

Economics 1370. Media, Democracy and Economics - (New Course)

Catalog Number: 45985

Philippe Aghion and Benedicte Berner

Half course (fall term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

This course will analyze the role of media in political and economic development. Topics covered are the history of the relationship between media and the state, media and democracy today, laws governing the media and its practice, legal and political pressures on the media, media as an economic object, ownership of media and its effects, media coverage on elections



and in developing countries, competition and truth in the market for news, the current mainstream media, and journalistic ethics.

Prerequisite: Social Analysis 10.

Economics 1389. The Economics of Health and Development

Catalog Number: 1900

Amitabh Chandra (Kennedy School)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 99

Examines health issues in developing countries from the standpoint of economics, with focus on applied microeconomic research and econometric methods. Specific topics include private and social returns to health, the effect of health on growth and development, gender differences in health, structural problems in delivery, health finance, technology adoption and behavioral change, infant mortality, worms, AIDS, malaria, and the long-run impact of disease. For each topic, special attention is paid to the identifying causal effects that inform the design of public policies, and contrast the lessons learnt from this approach to those obtained from observational studies.

Note: Offered jointly with the Kennedy School as PED-318.

Prerequisite: Economics 1010a (or 1011a) and 1123 (or 1126).

[Economics 1390. Microfinance: Theory and Practice]

Catalog Number: 5115 Enrollment: Limited to 40.

Instructor to be determined

Half course (fall term). Hours to be arranged.

A course which has multidimensional implications on current poverty reduction efforts. How can microfinance overcome credit rationing for the poor and be profitable? How can one measure its potential impact on poverty reduction? Covers detailed case studies of non-profit and for-profit microfinance enterprises.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1011a and 1123.

[Economics 1393. Poverty and Development]

Catalog Number: 6516

Nathan J. Nunn

Half course (spring term). Hours to be arranged.

Studies the relationship between economic growth, poverty, and income distribution. Discusses how globalization affects poverty and inequality. Studies the main theories of economic growth and the main potential sources of economic development, from physical capital accumulation, to education, to technology, to the role of government. Discusses various global issues such as public global health (e.g., the impact of malaria and AIDS on Africa), corruption and institutions, natural resources, the environment, international donor institutions, and population growth.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

Government 1197. The Political Economy of Africa



Primarily for Graduates

Economics 2327. Economic Development: Theory, Policy, and Evidence

Catalog Number: 8092

Dani Rodrik (Kennedy School) and Rohini Pande (Kennedy School)

Half course (spring term). M., W., 11:40-1, and a weekly section, F., 1-2:30. EXAM GROUP: 99

Provides a graduate-level overview of the theory of and evidence on economic development from a policy-oriented perspective. Aim is to allow students to analyze policy debates surrounding development from a broad and rigorous analytical base.

Note: Offered jointly with the Kennedy School as PED-101.

Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis

Catalog Number: 9475

James Robinson

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Overview and analysis of comparative economic development during the last half millennia. Examines the emergence of modern economic growth in Europe after 1500, and the forces that led to the great divergence in prosperity in the 19th century. Also considered: colonialism, communism, fascism, and revolution.

[Economics 2330. History and Human Capital]

Catalog Number: 2588

Instructor to be determined

Half course (spring term). Hours to be arranged.

Explores a range of subjects concerning human capital, historically and comparatively. Topics include fertility, mortality, health, immigration, women's work, child labor, retirement, education, inequality, slavery, unionization, and governmental regulation of labor, all within the broader context of economic history.

Note: Expected to be given in 2010–11. Satisfies the graduate distribution requirement. Open to undergraduates on a limited basis with permission of instructor.

Economics 2333. Historical Perspectives on Current Economic Issues

Catalog Number: 6800

Richard A. Hornbeck

Half course (spring term). M., W., 7–8:30 p.m.

Comparative economic history emphasizing sources of economic growth and development. Topics include technological change and industrialization, institutions, the Great Depression and financial regulation, migration and adjustment to economic shocks, public infrastructure, labor markets and wage inequality, and health. Each topic is motivated by a current concern and develops methods for historical analysis to inform modern economic questions.

Note: Satisfies the graduate distribution requirement. Open to undergraduates on a limited basis with permission of instructor.

Economics 2339. The Economic History Workshop

Catalog Number: 8183



Claudia Goldin (fall term), Eric Chaney, Stanley Engerman (University of Rochester) (spring term), Richard A. Hornbeck, and James Robinson

Full course. F., 2–4. EXAM GROUP: 7, 8

Intended for students writing dissertations related to economic history themes and/or methodology and for others with interests in economic history. Discusses research papers presented by scholars at Harvard and elsewhere.

[Economics 2350. Workshop in Religion, Political Economy, and Society]

Catalog Number: 0815

Instructor to be determined

Half course (fall term). Hours to be arranged.

Topics on the interplay between religion and the social sciences.

Note: Expected to be given in 2010–11.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Sendhil Mullainathan and Richard A. Hornbeck

Half course (fall term). F., 9–12. EXAM GROUP: 2, 3, 4

Topics include agricultural issues such as peasant behavior, land tenancy, interlinked markets; credit and insurance market problems and institutions; health, nutrition, and productivity; gender bias; education; and technology adoption.

Economics 2390c. Development Economics II: Macroeconomic Issues

Catalog Number: 0388

Michael R. Kremer and Rohini Pande (Kennedy School)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

The first part will cover macro-economic topics including aggregative and non-aggregative growth models, growth and development accounting and models of technology diffusion and choice. The second part will evaluate the role of governance/institutional design in affecting development.

Note: Offered jointly with the Kennedy School of Government as PED-319.

Economics 2390d. The Economic Growth and Development Workshop

Catalog Number: 1926

Sendhil Mullainathan, Philippe Aghion, Rema N. Hanna (Kennedy School), Asim I. Khwaja (Kennedy School), Michael R. Kremer (spring term), and Rohini Pande (Kennedy School)

Full course. Fall: Tu., 2:30–4; Spring: W., 2:30–4. EXAM GROUP: Spring: 7, 8

Fall speakers cover issues in growth and development. Spring speakers alternate between “growth and institutions,” focusing on the macro aspects of growth and development, and “labor and development,” focusing on the micro aspects.

Economics 2393. The Design of Development Policy: From Research to Practice - (New Course)

Catalog Number: 62879

Sendhil Mullainathan and Rohini Pande (Kennedy School)

Half course (spring term). W., 4–6. EXAM GROUP: 9



Development research is fascinating in part because it has a direct impact on public policy. Yet the pathways to impact are very different, from shaping how we evaluate public and non-profit programs to setting countrywide goals. This course will take a micro-economic perspective and critically review the distinct ways in which research affects and is affected by public policy. General topics will include: the debate over randomized evaluations, the creation and diffusion of policy innovations, the tension between micro and macro policy approaches and the role of theory. Specific areas covered will include Finance, Education and Public health and Governance.

Note: The course will presume knowledge of an advanced statistics course. Open to undergraduates with permission of the instructor. Jointly listed with the Kennedy School as PED-330.

Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates

Economics 1410. Public Economics: Designing Government Policy

Catalog Number: 6136

Raj Chetty, Mihir A. Desai (Business School), and Martin Feldstein

Half course (spring term). M., W., (F.), 2:00-3:30, and a weekly section to be arranged. EXAM GROUP: 7, 8

This course analyzes what role the government should play in a market economy. It covers topics such as tax and welfare policy, unemployment insurance, environmental protection, education policy, social security, and the implications of behavioral economics for public policy. The course emphasizes recent empirical and theoretical research on policy issues and will teach students how to conduct such studies.

Note: Students should have some knowledge of basic calculus and statistics, but there is no formal mathematics prerequisite. Offered jointly with the Kennedy School as API-125. This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.

Prerequisite: Economics 1010a or 1011a or permission of instructor.

Economics 1420. American Economic Policy

Catalog Number: 8110

Martin Feldstein

Half course (spring term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Analyzes major issues in American economic policy including taxation, Social Security, health care reform, budget policy, monetary and fiscal policy, and exchange rate management. Current economic issues and policy options discussed in detail and in the context of current academic thinking.

Note: Offered jointly with the Kennedy School as API-126. This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.



Economics 1425. Political Economics - (New Course)

Catalog Number: 68084 Enrollment: Limited to 20.

Andrei Shleifer

Half course (spring term). Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, fiscal problems in democracies, rule of law, privatization, and regulation.

Note: A research paper is required. This course meets the concentration writing requirement.

Prerequisite: Economics 1010a or 1011a.

[Economics 1430. Macroeconomics and Politics]

Catalog Number: 5549

Robert J. Barro

Half course (spring term). Hours to be arranged.

Topics include the political economy of economic growth, including the roles of democracy and legal institutions; inflation, monetary policy, and fiscal policy; interplay between religion and political economy; and analyses of economic and monetary unions.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1010b or 1011b, or permission of the instructor.

Economics 1460. Economics of Health Care Policy

Catalog Number: 4540

Joseph P. Newhouse (Kennedy School, Medical School, Public Health)

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2

Policy issues related to the following: the demand for medical care services, especially as a function of insurance; the demand for insurance and issues of selection; reimbursement policies of Medicare and other payers toward health plans, hospitals, and physicians; effects of health maintenance organizations and managed care; and malpractice and tort reform. Focus on federal policy, although state and local perspectives will receive some attention.

Note: Students may not take both Economics 1460 and Quantitative Reasoning 24: Health Economics and Policy for credit. Offered jointly with the Kennedy School as HCP-272. This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.

Prerequisite: Economics 1010a or 1011a. A statistics course is highly desirable.

[Economics 1480. Moral Perspectives on Economic Growth]

Catalog Number: 3441 Enrollment: Limited to 20.

Instructor to be determined

Half course (fall term). Hours to be arranged.

Considers economic growth and policies that either promote or impede economic growth, from a social, political, and moral perspective. Focuses on ways in which moral ideas, including religious ideas, have influenced economic thinking, and vice versa. Approaches include economic, historical, and literary analyses.

Note: Expected to be given in 2010–11. A research paper is required. This course meets the concentration writing requirement.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).



Economics 1490. Growth and Crisis in the World Economy - (New Course)

Catalog Number: 35497

Dale W. Jorgenson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course assesses the future of the tri-polar world economy - Asia, Europe, and North America. The course analyzes the resurgence of the US economic growth, the emergence of asset pricing bubbles, and the ensuing financial and economic crisis. We will discuss the sources of Asian growth miracles and the convergence and subsequent divergence of Europe and North America. What growth rate is sustainable and who will lead? What are the forces that threaten long-term prosperity?

Note: Students will fulfill the concentration writing requirement by completing Economics 1490.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

Quantitative Reasoning 24. The Business and Politics of Health
Societies of the World 31. Crisis, Globalization and Economics - (New Course)

Primarily for Graduates

[Economics 2410a. Topics in Macroeconomics]

Catalog Number: 7072

Instructor to be determined

Half course (fall term). Hours to be arranged.

This course addresses applied issues in macroeconomics, especially topics related to inflation and monetary policy. Specific topics include theoretical and empirical work on the Phillips curve, measuring the effects of monetary policy, and optimal policy rules. The course is a mix of lectures, discussions, and student presentations.

Note: Expected to be given in 2010–11.

Economics 2410g. Political Economics

Catalog Number: 6758

Alberto F. Alesina

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Discusses several research areas in political economy, including the origins of the state, comparative political systems, theories of economic reform, fiscal problems in democracies, rule of law, privatization, regulation, and elections and the economy.

[Economics 2415. Theory of Optimal Policy]

Catalog Number: 2855

Instructor to be determined

Half course (spring term). Hours to be arranged.

Theory of optimal taxation: static and dynamic models; taxation; Ramsey and Mirrlees approaches; theory of social insurance. Macroeconomic approach to optimal policy includes fiscal and monetary policy over time and business cycles, time-consistency problems.

Note: Expected to be given in 2010–11.



Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

Robert J. Barro, Philippe Aghion, Alberto F. Alesina, Emmanuel Farhi, Benjamin M. Friedman, David I. Laibson, and N. Gregory Mankiw

Full course. M., 2–4. EXAM GROUP: 7, 8

Seminar speakers present papers on macroeconomic topics, including issues relating to monetary and fiscal policies, economic growth, the role of institutions, and other research issues in the field.

Economics 2421. Reading Course in Monetary and Fiscal Policy - (New Course)

Catalog Number: 97507

Benjamin M. Friedman and N. Gregory Mankiw

Half course (spring term). W., 2:30–4. EXAM GROUP: 7, 8

A reading course that allows students to discuss and evaluate recent research in the analysis of monetary and fiscal policies. Students will be expected to participate in formally presenting, and critiquing, unpublished or newly published papers.

Note: Students taking the course for credit will also be expected to undertake research papers of their own.

Economics 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Raj Chetty

Half course (fall term). Tu., Th., 6-7:30 p.m., (F.), 3-4:30. EXAM GROUP: 8, 9, 18

This course covers basic issues in the optimal design of tax and social insurance policies, with emphasis on combining theoretical models with empirical evidence. Topics include efficiency costs and incidence of taxation, income taxation, transfer and welfare programs, public goods and externalities, optimal social insurance, and welfare analysis in behavioral models.

Prerequisite: Economics 2010a and 2010b or Economics 2020a and 2020b.

Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478

Martin Feldstein and Edward L. Glaeser

Half course (spring term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

This course covers theoretical and empirical applications of public economics to policy debates. Topics include education, local public finance, fiscal federalism, housing policy, corporate and international taxation, social security, and macroeconomic stabilization using fiscal policy.

Prerequisite: Economics 2010a and 2010b or Economics 2020a and 2020b. Students are strongly encouraged to take Economics 2450a before taking 2450b.

[Economics 2458. Topics in Health Economics]

Catalog Number: 1146

Instructor to be determined

Half course (fall term). Hours to be arranged.

This course covers theoretical, empirical and policy research on health insurance, hospitals, physicians and managed care plans. Emphasis is on study of patient and provider behavior, response to insurance and payment incentives, and design of optimal payment and quality



reporting mechanisms.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 2010a and 2010b or Economics 2020a and 2020b

Economics 2460. Health Economics Workshop

Catalog Number: 7617

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) and David M. Cutler

Half course (spring term). W., 4–6. EXAM GROUP: 9

Focuses on theory, econometric models, and public policy of health care. Frontier work in health economics presented and discussed by instructors and outside speakers.

Note: May be taken for credit only by dissertation students writing a research paper. Offered jointly with the Kennedy School as HCP-581.

Economics 2465. Health Economics - (New Course)

Catalog Number: 83396

David M. Cutler

Half course (spring term). Tu., Th., (F.), 2:30–4. EXAM GROUP: 7, 8, 16, 17

This course surveys topics in health economics. It touches on public sector issues, the industrial organization of health care markets, interactions between health and labor markets, and health in developing countries. Theory and empirical work are presented.

[Economics 2470. Law and Economics]

Catalog Number: 5995

Instructor to be determined

Half course (spring term). Hours to be arranged.

Emphasizes themes relating different subjects in the field and analyzes topics that illustrate those themes. Besides issues such as torts, property, litigation, and law enforcement, will also focus on judicial decision-making and cross-country comparisons of the effects of laws and legal systems.

Note: Expected to be given in 2010–11. Offered jointly with the Law School as 96203-31.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

Raj Chetty, David M. Cutler, and Martin Feldstein

Full course. M., 4–6. EXAM GROUP: 9

Invited speakers present theoretical and empirical research on a broad range of topics related to the design of government policy.

***Economics 2490. The Economics of National Security Seminar**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Tu., 6–9 p.m. EXAM GROUP: 18

Considers a range of issues relating to national security, including bioterrorism, the market for nuclear weapons, the defense industry, the dependence on imported oil, intelligence, sanctions, etc.

Note: Speakers will be both experts with experience in this field and economists doing research



on these issues. Seminar participants will be economics department faculty and selected graduate students.

International Economics

For Undergraduates and Graduates

Economics 1530. International Monetary Economics

Catalog Number: 2269

Gita Gopinath

Half course (spring term). M., W., 2:30-4. EXAM GROUP: 7, 8

This is an intermediate level international finance and macroeconomics course that uses a mix of theoretical, empirical and policy frameworks to analyze topical problems in international finance. The topics include exchange rate determination, currency interventions, monetary policy coordination, capital flows and currency crises.

Note: May not be taken for credit with Economics 1531.

Prerequisite: Economics 1010b or 1011b.

Economics 1531. Economics of International Financial Policy

Catalog Number: 7018

Jeffrey A. Frankel (Kennedy School)

Half course (spring term). M., W., 2:30-4; and a weekly section meeting to be arranged. EXAM GROUP: 99

This course examines the macroeconomics of open economies. It covers models appropriate to major industrialized countries. Topics include the foreign exchange market, devaluation, and import and export elasticities; simultaneous determination of the trade balance, national income, balance of payments, money flows, and price levels; capital flows and our increasingly integrated financial markets; monetary and fiscal policy in open economies; international macroeconomic interdependence; supply relationships and monetary policy targets; exchange rate determination; and international portfolio diversification.

Note: Offered jointly with the Kennedy School as ITF-220. May not be taken for credit with Economics 1530.

Prerequisite: Economics 1010/1011. Knowledge of international trade theory and econometric techniques is also desirable, but not essential. Students must be very comfortable with algebra.

Economics 1535. International Trade and Investment

Catalog Number: 2557 Enrollment: Limited to 45.

Marc J. Melitz

Half course (fall term). M., W., 2-3:30. EXAM GROUP: 7, 8

Analyzes the causes and consequences of international trade and investment. Focuses on the interplay of economic theory and empirical descriptions of foreign trade and direct investment patterns.

Prerequisite: Economics 1010a or 1011a.

Economics 1540. Topics in International Trade

Catalog Number: 7470



Pol Antràs

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Covers advanced topics in international economics with a special emphasis on an analytical approach to the recent process of globalization. Topics include the role of multinational firms in the global economy, the effect of international outsourcing on wages, and trade and industrial development.

Note: This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.

Prerequisite: Economics 1535 and basic knowledge of calculus and econometrics.

Economics 1542. International Trade Policy

Catalog Number: 2613

Elhanan Helpman

Half course (fall term). M., W., 2-3:30; and a weekly section to be arranged. EXAM GROUP: 7, 8

Provides a discussion of the economic impacts of international trade policies and the political economy of trade policy formation. The course will focus on analytical methods and therefore requires knowledge of calculus.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

Economics 1545. International Financial and Macroeconomic Policy

Catalog Number: 5166 Enrollment: Limited to 30.

Kenneth Rogoff

Half course (fall term). M., W., 1-2:30. EXAM GROUP: 6, 7

Advanced theoretical and empirical analysis of contemporary international macroeconomic policy issues in both industrialized and developing economies. Topics include exchange rates, international capital flows, debt crises, growth, and policy coordination.

Prerequisite: Economics 1010b or 1011b.

Primarily for Graduates

Economics 2530a. International Trade

Catalog Number: 4537

Elhanan Helpman

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

Provides a broad overview of theory and evidence concerning international trade, direct foreign investment, and trade policy.

Note: Strongly recommended as preparation for Economics 2530b. Open to undergraduates only with permission of instructor.

Prerequisite: Economics 2010a and 2010b.

Economics 2530b. International Finance

Catalog Number: 7144

Gita Gopinath

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Financial aspects of growth and income determination in open economies. Topics include



international business cycle, monetary and exchange rate regimes, capital flows, and current issues in international macroeconomic policy.

Prerequisite: Economics 2530a provides extremely useful background.

Economics 2535. Advanced Topics in International Trade

Catalog Number: 6410

Pol Antràs

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Covers advanced theoretical and empirical topics concerning the determinants of world trade patterns.

Prerequisite: Economics 2530a or permission of instructor.

[Economics 2537. International Trade Policy: Issues and Analysis]

Catalog Number: 1699

Dani Rodrik (Kennedy School)

Half course (fall term). Hours to be arranged.

Develops expertise with economic models used for the analysis of international trade policies.

Focuses on theoretical and empirical work relating to trade patterns, income distribution, growth, development, industrial policy, political economy, and the WTO.

Note: Expected to be given in 2010–11. Offered jointly with the Kennedy School as ITF-345.

Students are expected to make presentations and write a research paper.

Prerequisite: Graduate level microeconomics and econometrics.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Kenneth Rogoff and members of the department.

Full course. W., 4–6. EXAM GROUP: 9

Research papers in all aspects of international economics, including theory, econometrics, and policy.

Industrial Organization and Regulation; Environmental Economics

For Undergraduates and Graduates

Economics 1630. Economics of Sports and Entertainment - (New Course)

Catalog Number: 95925

Stanley Engerman (University of Rochester)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The markets for professional and amateur sports and entertainment are analyzed. Impacts of market organization and public policy on attendance, salaries, and profits are examined.

Prerequisite: Social Analysis 10

[Economics 1640. Industrial Organization: Theory and Applications]

Catalog Number: 7875 Enrollment: Limited to 30.

Instructor to be determined

Half course (spring term). Hours to be arranged.



Theoretical and empirical analysis of contemporary topics in industrial organization. Uses economic theory to analyze important issues facing firms, and examines the practical challenges of empirical applications of theory. Topics include horizontal relationships and mergers, vertical integration and control through contractual arrangements, price discrimination, information and search costs, innovation and intellectual property rights, and network externalities. Each topic combines theoretical analysis with a study of actual firm behavior.

Note: Expected to be given in 2010–11. Students may not take both Economics 1640 and Economics 1641 for credit.

Prerequisite: Economics 1010a or 1011a.

Economics 1641. Industrial Organization: Theory and Practice

Catalog Number: 9099 Enrollment: Limited to 30.

Ulrich Doraszelski

Half course (spring term). M., W., 1-2:30. EXAM GROUP: 6, 7

Theoretical and empirical analysis of contemporary topics in industrial organization. Uses economic theory to analyze important issues facing firms, and examines the practical challenges of empirical applications of theory. Topics include horizontal relationships and mergers, vertical integration and control through contractual arrangements, price discrimination, information and search costs, innovation and intellectual property rights, and network externalities. Each topic combines theoretical analysis with a study of actual firm behavior.

Note: Students may not take both Economics 1640 and Economics 1641 for credit.

Prerequisite: Economics 1010a or 1011a.

[Economics 1642. Advanced Industrial Organization]

Catalog Number: 9613

Instructor to be determined

Half course (spring term). Hours to be arranged.

Theory and modern empirical techniques in industrial organization. Topics may include static analysis and estimation of market equilibrium; dynamic models of entry and investment; price discrimination, collusion, mergers and vertical control, with applications to antitrust policy; and issues in auctions and market design.

Note: Expected to be given in 2010–11. This is a hands-on course, and students will be expected to use Stata or other statistical software to perform data analysis.

Prerequisite: Economics 1010a or 1011a; Economics 1123 or 1126

Economics 1661. Environmental and Resource Economics and Policy

Catalog Number: 2115

Robert N. Stavins (Kennedy School)

Half course (spring term). M., W., 1-2:30 and an optional review section F., 1-2:30. EXAM GROUP: 6, 7

Provides a survey, from the perspective of economics, of environmental and natural resource policy. Combines lectures on conceptual and methodological topics with examinations of public policy issues. Topics include principles of environmental and resource economics, nonrenewable resources (minerals and energy), renewable resources (fisheries), air pollution (stationary and mobile sources, acid rain, and global climate change), and sustainable development and political aspects of environmental policy.



Note: Offered jointly with the Kennedy School as ENR-201. This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.
Prerequisite: Social Analysis 10 or permission of instructor.

Economics 1666 (formerly Economics 1026). The Economics of Climate Change

Catalog Number: 9468

Martin L. Weitzman

Half course (spring term). Tu., Th., 1-2:30 with a weekly section F., 10-11. EXAM GROUP: 15, 16

Core analysis and basic facts about climate-change economics, which is a rapidly evolving field currently on the research frontier. Develops and applies to climate change such economic topics as modeling, externalities, discounting, uncertainty, cost-benefit analysis, dynamics, and other relevant themes. Students will come away understanding the central concepts, essential tools, and basic facts required to analyze the key economic issues concerning what to do about climate change. Student participation encouraged, with a seminar-like style if the class is small enough.
Note: Requires background in economic theory, mathematics, and statistics. This course offers an optional writing requirement which if completed will satisfy the concentration writing requirement.

Prerequisite: Economics 1010a, 1010b and Statistics 100, or equivalent background.

Primarily for Graduates

Economics 2610. Industrial Organization I

Catalog Number: 3766

Ariel Pakes

Half course (fall term). M., W., 1-2:30. EXAM GROUP: 6, 7

Applied work in industrial organization. Static analysis (theory, estimation): demand systems, cost functions, and game theoretic concepts of equilibrium and their application. Dynamic analysis (theory, computation, estimation): single agent problems, dynamic games and their application.

Economics 2611. Industrial Organization II

Catalog Number: 2302

Julie H. Mortimer

Half course (spring term). M., W., 1-2:30. EXAM GROUP: 6, 7

Application of industrial organization to problems of public policy. Applied analysis of antitrust policy, network industries, vertical relationships, auctions, and other topics depending on interest.

Note: Students are urged to take Economics 2610 before Economics 2611.

***Economics 2640hf. The Industrial Organization Workshop**

Catalog Number: 5981

Julie H. Mortimer (spring term), Ariel Pakes (fall term), Susan Athey, and Ulrich Doraszelski

Half course (throughout the year). M., 2:30-4. EXAM GROUP: 7, 8

Speakers present current research in the field in a seminar setting.



Economics 2665. The Economics of Organizations Workshop

Catalog Number: 9819

Oliver S. Hart and George Pierce Baker (Business School)

Half course (fall term; repeated spring term). Th., 2:30–4. EXAM GROUP: Spring: 16, 17

Speakers present current research in the field in a seminar setting.

Note: Offered jointly with the Business School as 4230.

[Economics 2670. Organizational Economics]

Catalog Number: 6913

Instructor to be determined

Half course (spring term). Hours to be arranged.

Theoretical and empirical work on organizations. Topics include agency problems inside organizations, boundaries of the firm, relational contracting, authority, hierarchies, delegation, decentralization, and nonstandard organizational arrangements (including joint ventures, venture capital, and public ownership).

Note: Expected to be given in 2010–11. Offered jointly with the Business School as 4180.

Prerequisite: Economics 2020.

Economics 2680. Environmental and Natural Resource Economics

Catalog Number: 6529

Martin L. Weitzman

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Basic theory and models, including externalities, common property, instruments for controlling pollution. Applications of optimal control theory to renewable and non-renewable resources.

Analysis of cost-benefit, discounting, uncertainty, environmental accounting, “sustainability,” and biodiversity preservation.

Prerequisite: Graduate price theory at level of 2010 or 2020.

***Economics 2690hf. Environmental Economics and Policy Seminar**

Catalog Number: 4324

Robert N. Stavins (Kennedy School) and Martin L. Weitzman

Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9

Selected topics in environmental and resource economics. Emphasizes theoretical models, quantitative empirical analysis, and public policy applications. Includes invited outside speakers.

Note: Primarily for graduate students in economics or related fields with environmental interests. Offered jointly with the Kennedy School as API-905Y.

Prerequisite: Graduate-level course in microeconomic theory.

Financial Economics

For Undergraduates and Graduates

Economics 1723. Capital Markets

Catalog Number: 1917

Owen A. Lamont

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP:



12, 13

An introduction to the economic analysis of investment decisions and financial markets. Concepts include time discounting, market efficiency, risk, and arbitrage. These concepts are applied to fixed-income securities, equities, and derivative securities.

Prerequisite: Mathematics 20 and Economics 1010a or 1011a.

Economics 1745. Corporate Finance

Catalog Number: 5889

Efraim Benmelech

Half course (spring term). Tu., Th., 1-2:30, and a weekly section to be arranged. EXAM

GROUP: 15, 16

Introduction to corporate finance, including capital budgeting, capital structure of firms, dividend policy, corporate governance, and takeovers.

Prerequisite: Economics 1010a or 1011a, Mathematics 20, and Statistics 100.

Economics 1759. The Financial Crisis - (New Course)

Catalog Number: 90007

Jeremy C. Stein

Half course (spring term). M., W., 1-2:30. EXAM GROUP: 6, 7

This course provides a detailed examination of events in financial markets during the crisis period that began in August of 2007. Topics include: the housing bubble and mortgage markets, the role of the banks and the shadow banking system, policy responses by the Treasury and the Federal Reserve, and longer-run regulatory reform. The conceptual approach to these topics will draw heavily on recent research in financial economics.

Prerequisite: Either Economics 1723 or 1745 is required.

Primarily For Graduates

Economics 2723. Asset Pricing I

Catalog Number: 2847

John Y. Campbell

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to financial economics emphasizing discrete-time models and empirical applications. Reviews basic asset pricing theory. Discusses empirical topics including predictability of stock and bond returns, the equity premium puzzle, and intertemporal equilibrium models.

Note: Offered jointly with the Business School as 4209.

Prerequisite: Economics 2010a or 2020a, or permission of instructor.

[Economics 2724. Finance Theory in Continuous Time]

Catalog Number: 2614

Instructor to be determined

Half course (spring term). Hours to be arranged.

Synthesis of finance theory from the perspective of continuous-time analysis covering individual financial behavior, financial markets and intermediaries, corporate finance, governmental and macro finance in an uncertain environment.



Note: Expected to be given in 2010–11. Offered jointly with the Business School as 4256.

Prerequisite: At least one finance course including capital markets; elementary probability and statistics; multi-variate calculus; matrix algebra.

Economics 2725. Corporate Finance

Catalog Number: 1427

Efraim Benmelech

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Theory and empirical evidence on capital structure, dividends, investment policy, and managerial incentives. Topics include banking, corporate governance, and mergers.

Note: Offered jointly with the Business School as 4223.

Prerequisite: Economics 2060.

Economics 2726. Theoretical and Empirical Perspective on Entrepreneurship: Economics and Finance

Catalog Number: 4451

Joshua Lerner (Business School) and William Robert Kerr (Business School)

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

Entrepreneurship is a complex phenomenon that has attracted little academic attention. This course explores the emerging work in this area. Students taking the course for credit will be expected to complete two referee reports and a paper.

Note: Offered jointly with the Business School as 4350

[Economics 2727. Empirical Methods in Corporate Finance]

Catalog Number: 9055

Instructor to be determined

Half course (spring term). Hours to be arranged.

Examines empirical research in corporate finance. Covers empirical research methodology, financial institutions, and financial policy. Major emphasis is on how to do well-executed and persuasive research in corporate finance.

Note: Expected to be given in 2010–11. Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports and a research paper. Offered jointly with the Business School as 4220.

Economics 2728. Behavioral Finance

Catalog Number: 8633

Jeremy C. Stein

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

Deals with theoretical and empirical approaches to the study of financial markets using psychological or behavioral ideas. Topics include limited arbitrage, predictability of security returns, and trading volume.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

Efraim Benmelech, John Y. Campbell, and Jeremy C. Stein



Half course (throughout the year). W., 4–5:30. EXAM GROUP: 9
Speakers present current research in the field in a seminar setting.

Cross-Listed Courses

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

[Economics 1812. The US Labor Market]

Catalog Number: 0421 Enrollment: Limited to 50.

To be determined.

Half course (fall term). Hours to be arranged.

Presents the tools employed in research on the operation of the labor market and then uses them to discuss issues such as the determinants of earnings differentials, the impact of various firm characteristics on labor-market outcomes, discrimination, and unemployment.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

[Economics 1813. The Indebted Society]

Catalog Number: 6957 Enrollment: Limited to 50.

To be determined

Half course (spring term). Hours to be arranged.

In recent years, the US economy has entered an unprecedented era of dependence on debt by governments, corporations and households. A massive debt overhang permeates our economy, casting a shadow over government, corporate and household finance and shaping decision-making processes for all of these actors. This course examines both causes and effects of this penchant for debt, utilizing a multidisciplinary approach drawing from labor economics, public/corporate finance, law, public policy, and even sociology and psychology.

Note: Expected to be given in 2010–11.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

[Economics 1815. Social Problems of the American Economy]

Catalog Number: 3130

Instructor to be determined

Half course (spring term). Hours to be arranged.

Examines selected social and economic problems of the US and evaluates market and governmental solutions. Topics include discrimination, income and wage inequality, welfare reform, antipoverty strategy (including education and training programs), homelessness, crime, and charitable behavior.

Note: Expected to be given in 2010–11. A research paper is required.

Prerequisite: Social Analysis 10 or permission of the instructor.

[Economics 1816. Race in America]

Catalog Number: 2483

Instructor to be determined



Half course (fall term). Hours to be arranged.

Examines the causes and consequences of racial inequality in America and evaluates the efficacy of various market and non-market solutions. Topics include: the racial achievement gap in education, the impact of crack cocaine on inner cities, racial differences in health, crime and punishment, labor market discrimination, social interactions and the effects of peer groups, affirmative action, and more.

Note: Expected to be given in 2010–11.

Prerequisite: Social Analysis 10.

Economics 1818. Economics of Discontinuous Change

Catalog Number: 3029

Richard B. Freeman

Half course (spring term). Tu., Th., 1-2:00, and a weekly section to be arranged. EXAM GROUP: 15

Explores discontinuous changes in the economic position of groups and countries and presents mathematical and computer simulation models designed to illuminate these changes. Examples include growth/decline of trade unions, segregation of groups, development of linkages on the internet, changes in corporate work culture, growth of social pathologies in neighborhoods, and Malthusian concerns about the environment. Models include nonlinear simulations, neural networks, finite automata, evolutionary stable strategies, causal conjunctures, agent-based simulations, and genetic algorithms.

Note: A research paper is required. Students should have some mathematical background, but there is no prerequisite.

Prerequisite: Social Analysis 10

Primarily for Graduates

[Economics 2800b. Urban and Social Economics]

Catalog Number: 5574

Instructor to be determined

Half course (fall term). Hours to be arranged.

Why do cities exist? What makes economic agglomerations more productive? This class will focus on recent research in urban and social economics. It will also discuss the essentials of real estate economics and housing. It is meant to be a field class for PhD. students interested in urban economics, but it is also meant to be accessible for advanced undergraduates. It is meant to be a field class for PhD. students interested in urban economics, but it is also meant to be accessible for advanced undergraduates

Note: Expected to be given in 2010–11.

Prerequisite: Undergraduates must have taken Economics 1011a and receive instructor's permission. Graduate students must have taken 1011a, 2010a or 2020a.

Economics 2810a. Labor Market Analysis

Catalog Number: 4862

Lawrence F. Katz

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

Theoretical and empirical research on labor markets. Wage determination covers equalizing



differences, human capital, job mobility, and incentive models. Labor supply covers life-cycle models. Labor demand includes minimum wage and union models.

[Economics 2810b. Labor Economics and Labor Market Institutions]

Catalog Number: 3206

Instructor to be determined

Half course (spring term). Hours to be arranged.

Examines the operation of the labor market and evaluation of labor market policies. Topics: labor econometrics, theories of wage determination, changes in the wage structure, unemployment, labor market institutions, and globalization and the labor market.

Note: Expected to be given in 2010–11.

Economics 2811. Social Economics

Catalog Number: 5188

Roland G. Fryer

Half course (spring term). Tu., 6–9 p.m. EXAM GROUP: 18

Applies the tools of economics to explore social issues including crime, discrimination, racial and gender differences, poverty, family structure, urban problems, social interactions and peer effects, and intergenerational mobility.

Economics 2812. The Labor Economics Workshop

Catalog Number: 0230

Lawrence F. Katz, Richard B. Freeman, and Roland G. Fryer

Full course. W., 4–5:30. EXAM GROUP: 9

Focuses on research concerning the operation of labor markets.

Economics 2880. Economics of Science

Catalog Number: 7488

Richard B. Freeman

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

Analyzes economic issues regarding the role of science and RD in the economy and in the deployment and productivity of scientists, engineers, and highly skilled technical workers.

Topics include: wage levels/employment prospects; stipend policy, education/recruitment, student unionization/post-doc organization, career choices/trajectories, with reference to women; scientific competition/collaboration.

Economics 2888r (formerly Economics 2888hf). Economics of Science and Engineering Workshop

Catalog Number: 6311

Richard B. Freeman

Half course (fall term; repeated spring term). F., 12–1:30. EXAM GROUP: 5, 6

Focus on work force and career issues. Topics include: Effects of globalization on work force and innovation, growth of networks in work; impact of career incentives on productivity; university policies; mobility between academe and industry; link between ideas and outputs.

Note: Offered jointly with the Business School as 4245.



Graduate Courses of Reading and Research

***Economics 3000. Research Paper**

Catalog Number: 4174

Members of the Department

Intended to fulfill the Research Paper Requirement for the PhD degree in Economics. Ordinarily, this course is taken during the spring term of the second year of graduate study.

***Economics 3005. Reading and Research**

Catalog Number: 3493

Members of the Department

Individual work or work in small groups (with a professor or lecturer in residence) in preparation for the general examination for the PhD degree, or work on special topics not included in course offerings.

***Economics 3010. Direction of Doctoral Dissertations**

Catalog Number: 4579

Members of the Department

Note: In all cases, the dissertation topic must have been formally submitted to, and approved by, a dissertation adviser.

***Economics 3011. Research in Behavior in Games and Markets**

Catalog Number: 0109

Attila Ambrus 4665, Drew Fudenberg 3460, Jerry R. Green 1539, David I. Laibson 1241, Markus M. Möbius 3441, and Alvin E. Roth 564

Half course (fall term; repeated spring term). W., 11:30–1.

Serves mainly as a forum for presentations by graduate students of their current research. Work presented can be very preliminary and conjectural.

Prerequisite: Economics 2010a (or 2020a) and 2010b (or 2020b).

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Gary Chamberlain 1745, Rustam Ibragimov 5329, Guido W. Imbens 2671, Dale W. Jorgenson 2000, and James H. Stock 1783

Half course (throughout the year). M., 12–2.

Participants discuss recent research in econometrics and present their own work in progress.

Open to doctoral students in economics.

***Economics 3336hf. Research in Economic History**

Catalog Number: 0639

Claudia Goldin 2667 (on leave spring term) and Eric Chaney 6129

Half course (throughout the year). M., 4–5:30.

Participants discuss recent research in economic history and present their own work in progress.

Note: Primarily, but not exclusively, for doctoral students in economics who have passed their oral examinations.



***Economics 3390hf. Research in Economic Development**

Catalog Number: 2532

Michael R. Kremer 2112 (on leave fall term), Erica M. Field 5095 (on leave spring term), and Asim I. Khwaja (Kennedy School) 3994

Half course (throughout the year). M., at 12.

Participants discuss recent research in development economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3410dhf. Research in Macroeconomics**

Catalog Number: 2126

Alberto F. Alesina 2074, Robert J. Barro 1612 (on leave spring term), and David I. Laibson 1241 (on leave spring term)

Half course (throughout the year). Tu., 11:30–1.

Participants discuss recent research in macroeconomics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3450chf. Research in Public Economics and Fiscal Policy**

Catalog Number: 3436

David M. Cutler 2954, Raj Chetty 6276, Edward L. Glaeser 3219, and Lawrence F. Katz 1480 (on leave spring term)

Half course (throughout the year). Tu., 1–2:30.

Participants discuss recent research in public economics and fiscal policy and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3460chf (formerly *Economics 3460chf). Research in Health Economics**

Catalog Number: 5309

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). Spring: Tu., 8–9:30.

Participants discuss recent research in health economics. Course may also include presentation of original research by participants. Open to doctoral students only.

***Economics 3530hf. Research in International Economics**

Catalog Number: 5777

Pol Antràs 4666, Richard N. Cooper 7211 (on leave fall term), Gita Gopinath 5042, Elhanan Helpman 2334, and Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

Half course (throughout the year). W., at 12.

Participants discuss recent research in international economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

***Economics 3650hf. Research in Industrial Organization**

Catalog Number: 3318

Susan Athey 5334, Richard E. Caves 1414, Ulrich Doraszelski 5024, Julie H. Mortimer 3993, and Ariel Pakes 1774 (on leave spring term)

Half course (throughout the year). Tu., at 12.

Participants present their own research in progress in an informal setting. Open to doctoral



students in economics who have passed their general examinations and are in the early stages of their dissertations.

***Economics 3660hf. The Law, Economics, and Organizations Workshop**

Catalog Number: 4325

Lucian A. Bebchuk (Law School) 2042, Oliver S. Hart 3462, Louis E. Kaplow (Law School) 3223, Joshua Lerner (Business School) 1601, and Andrei Shleifer 2772 (on leave fall term)
Half course (throughout the year). M., 12:30–2.

The presentation of work in progress in the field of law, economics, and organizations. Presentations by members of the various Harvard faculties, outside speakers, and graduate students.

Note: Offered jointly with the Law School as 96250-11 and with the Business School as 4670.

***Economics 3680hf. Research in Environmental Economics**

Catalog Number: 1227

Robert N. Stavins (Kennedy School) 2093

Half course (throughout the year). Fall: F., at 12; Spring: F., 12–1:30.

Participants discuss recent research in environmental and natural resource economics and present their own work in progress.

Note: Open to doctoral students only.

***Economics 3723hf. Research in Financial Economics**

Catalog Number: 4107

Efraim Benmelech 5419, John Y. Campbell 1230, and Jeremy C. Stein 3752

Half course (throughout the year). F., 12–1:30.

Participants discuss recent research in financial economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

Note: Offered jointly with the Business School as 4601.

***Economics 3810chf. Research in Labor Economics**

Catalog Number: 4066

Lawrence F. Katz 1480 (on leave spring term), Roland G. Fryer 5523, Edward L. Glaeser 3219, and Claudia Goldin 2667 (on leave spring term)

Half course (throughout the year). Tu., 1–2:30.

Participants discuss recent research in labor economics and present their own work in progress. Open to doctoral students in economics who have passed their oral examinations.

Engineering Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION



Faculty of the School of Engineering and Applied Sciences Offering Instruction in Engineering Sciences

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry (*on leave 2009-10*)
Debra T. Auguste, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
Jeremy Bloxham, Mallinckrodt Professor of Geophysics and Professor of Computational Science, Dean of Science
John Briscoe, Gordon McKay Professor of the Practice of Environmental Engineering in the School of Engineering and Applied Sciences and Professor of the Practice of Environmental Health (School of Public Health)
Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science
Federico Capasso, Robert L. Wallace Professor of Applied Physics and Vinton Hayes Senior Research Fellow in Electrical Engineering (*on leave fall term*)
Kenneth B. Crozier, John L. Loeb Associate Professor of the Natural Sciences
Marie D. Dahleh, Senior Lecturer on Engineering Sciences (*Director of Graduate Studies*)
David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering
Brian F. Farrell, Robert P. Burden Professor of Meteorology
Donhee Ham, Gordon McKay Professor of Electrical Engineering and Applied Physics (*on leave spring term*)
Colleen M. Hansel, Assistant Professor of Environmental Microbiology
Paul Horowitz, Professor of Physics and of Electrical Engineering
Anette E. Hosoi, Visiting Associate Professor of Engineering Sciences (*Massachusetts Institute of Technology*)
Robert D. Howe, Abbott and James Lawrence Professor of Engineering
Evelyn Hu, Gordon McKay Professor of Applied Physics and of Electrical Engineering
John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics
Donald E. Ingber, Professor of Bioengineering (FAS), Judah Folkman Professor of Vascular Biology in the Department of Pathology (Medical School)
Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering
Neel S. Joshi, Assistant Professor of Chemical and Biological Engineering
Navin Khaneja, Gordon McKay Professor of Electrical Engineering
Zhiming Kuang, Assistant Professor of Climate Science
H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering (*on leave spring term*)
Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Vinothan N. Manoharan, Assistant Professor of Chemical Engineering and of Physics, Associate Professor of Chemical Engineering and of Physics
Scot T. Martin, Gordon McKay Professor of Environmental Chemistry
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
David J. Mooney, Robert P. Pinkas Family Professor of Bioengineering
Cherry Murray, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences and Professor of Physics
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and



Applied Sciences, Professor of Physics

Kevin K. Parker, Thomas D. Cabot Associate Professor of Applied Science

Shriram Ramanathan, Assistant Professor of Materials Science on the Gordon McKay Endowment

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering

Daniel P. Schrag, Sturgis Hooper Professor of Geology and Professor of Environmental Science and Engineering

Eduardo A. Silva, Lecturer on Engineering Sciences

Maurice A. Smith, Assistant Professor of Bioengineering on the Gordon McKay Endowment

Zhigang Suo, Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials (*on leave fall term*)

Vahid Tarokh, Perkins Professor of Applied Mathematics and Vinton Hayes Senior Research Fellow of Electrical Engineering

Joost J. Vlassak, Gordon McKay Professor of Materials Engineering (*Director of Undergraduate Studies*)

Gu-yeon Wei, Gordon McKay Professor of Electrical Engineering and Computer Science

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science

Patrick J. Wolfe, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

Robert J. Wood, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Woodward Yang, Gordon McKay Professor of Electrical Engineering and Computer Science

Todd Zickler, John L. Loeb Associate Professor of the Natural Sciences

Other Faculty Offering Instruction in Engineering Sciences

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics

Michael J. Aziz, Gene and Tracy Sykes Professor of Materials and Energy Technologies

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics

David R. Clarke, Gordon McKay Professor of Applied Physics

Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics (*on leave fall term*)

Nancy Kleckner, Herchel Smith Professor of Molecular Biology

Daniel M. Merfeld, Associate Professor of Otology and Laryngology (*Medical School*)

Ralph Mitchell, Gordon McKay Professor of Applied Biology, Emeritus

Sumeeta Srinivasan, Preceptor in Government

David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics

The School of Engineering and Applied Sciences (www.seas.harvard.edu) offers undergraduate and graduate courses in Applied Mathematics, Applied Physics, Computer Science, Earth and Planetary Sciences, and Engineering Sciences. Recommended course programs at the undergraduate level may be obtained from the Academic Office, Pierce Hall 110. Engineering and Applied Sciences faculty also offer several courses in the section entitled Freshman Seminars, Extra-Departmental Courses, and House Seminars.



For information concerning concentration in Engineering Sciences, please consult the Co-Directors of Undergraduate Studies or the Academic Office, School of Engineering and Applied Sciences, Pierce Hall 110.

Primarily for Undergraduates

***Engineering Sciences 1. Introduction to Engineering Sciences**

Catalog Number: 0314

Todd Zickler

Half course (spring term). M., W., 1-2:30, and a weekly lab section to be arranged. EXAM GROUP: 6, 7

An integrative introduction to engineering sciences. Combines classroom discussion with activity-based learning, and emphasizes concepts that span multiple disciplines. Covers topics having direct societal impact, and presents them in historical context. Involves qualitative and quantitative analysis, mathematical modeling, and design. Introduces common engineering software and hardware tools.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Engineering Sciences 6. Environmental Science and Technology

Catalog Number: 2969

Scot T. Martin

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to the role of technology in environmental sciences with an emphasis on solving problems concerning human use and control of the environment. Cases from aquatic, terrestrial, and atmospheric environments are discussed. In each setting the basic scientific principles underlying engineering control are emphasized. Occasional field trips are part of the course. The course presumes basic knowledge in chemistry, physics, and mathematics at the high school level.

Note: This course, when taken for a letter grade, meets the General Education requirement in Science of the Physical Universe. This course, when taken for a letter grade meets the Core area requirement for Science B.

***Engineering Sciences 50. Introduction to Electrical Engineering**

Catalog Number: 4499

Marko Loncar

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

A discussion of topics of central importance to the fields of electronics, communications and intelligent systems. The material concerns both qualitative and quantitative analysis, as well as laboratory experiments and computer simulations. Examples of topics to be discussed range from relatively simple modules such as analog amplifiers and digital adders, to complex devices such as cell-phones and their supporting infrastructure.

Note: Students who have taken 100-level courses in electrical engineering will not be allowed to enroll in Engineering Sciences 50. This course, when taken for a letter grade, meets the General Education requirement for either Science of the Physical Universe or Empirical and



Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A.

[Engineering Sciences 51. Computer-Aided Machine Design]

Catalog Number: 0322

Robert D. Howe

Half course (fall term). M., W., F., at 1.

A first course in the design and construction of mechanical and electromechanical devices. Engineering graphics and sketching; dimensions and tolerances. Introduction to materials selection and structural design. Machine elements and two-dimensional mechanisms; DC motors. Design methodology. Emphasis on laboratory work and design projects using professional solid modeling CAD software and numerically controlled machine tools.

Note: Expected to be given in 2010–11. Intended for freshmen and sophomores. This course, when taken for a letter grade, meets the Core requirement for Science A.

Prerequisite: Mathematics 1b (may be taken concurrently); high school physics.

Engineering Sciences 53. Quantitative Physiology as a Basis for Bioengineering

Catalog Number: 3604

Maurice A. Smith and David J. Mooney

Half course (spring term). Tu., Th., 2:30-4, and three hours per week of laboratory to be arranged. EXAM GROUP: 16, 17

A foundation in human organ systems physiology, including cardiac, respiratory, renal, gastrointestinal, and neural systems. Quantitative description of organ systems function and control in terms of physical principles and physiologic mechanisms. Simple mathematical models representing key aspects of organ systems function. Emphasis will be given to understanding the ways in which dysfunction in these systems gives rise to common human disease processes.

Note: Open to freshmen.

***Engineering Sciences 91r. Supervised Reading and Research**

Catalog Number: 1113

Joost J. Vlassak (fall term) and Marie D. Dahleh

Half course (fall term; repeated spring term). Hours to be arranged.

Guided reading and research.

Note: Normally open to candidates accepted for work on a specific topic by a member of the teaching staff of the School of Engineering and Applied Sciences. Normally may not be taken for more than two terms; may be counted for concentration in Engineering Sciences if taken for graded credit. Applicants should file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

***Engineering Sciences 96. Engineering Design Seminar**

Catalog Number: 8461 Enrollment: Limited to 25.

Robert D. Howe and Woodward Yang

Half course (spring term). M., Th., 4–6. EXAM GROUP: 9, 18

Project-based class that provides experience in the processes and practice of engineering problem solving and design. Semester-long projects provide training in techniques for problem definition,



generation of creative solutions, and decision analysis. Skills covered include oral presentations, technical writing, and team work. Ordinarily taken in the spring term of the junior year.

Note: Preference given to SB candidates.

Cross-listed Courses

***Freshman Seminar 21s. Germs**

For Undergraduates and Graduates

Additional courses of interest to students in Electrical Engineering include: Computer Sciences 141, 143, and 148.

***Engineering Sciences 100. Engineering Design Projects**

Catalog Number: 4268

Robert J. Wood

Half course (fall term; repeated spring term). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical materials fabrication techniques.

Note: Ordinarily taken in the senior year. This one-term version of Engineering Sciences 100hf is open only to students in special circumstances. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

***Engineering Sciences 100hf. Engineering Design Projects**

Catalog Number: 7535

Robert J. Wood

Half course (throughout the year). Th., 4–6. EXAM GROUP: 18

Individual design projects selected to provide experience in the processes and practice of engineering design. Requires proficiency in electronic circuit construction as well as mechanical fabrication techniques.

Note: Ordinarily taken in the senior year. Enrolled students are required to file a proposed project form with the Academic Office early in the term. Project approval rests with the faculty Engineering Design Review Board.

Prerequisite: *Engineering Sciences 96.

Engineering Sciences 103. Spatial Analysis of Environmental and Social Systems

Catalog Number: 9277

Sumeeta Srinivasan

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Introduces the fundamental statistical and mapping tools needed for analysis of environmental systems. Topics will be linked by environmental and social themes and will include GIS concepts; data models; spatial statistics; density mapping; buffer zone analysis; surface estimation; map algebra; suitability modeling. Students will acquire technical skills in both



mapping and spatial analysis. Software packages used will include ArcGis. There will be guest lectures by researchers and practitioners who use GIS for spatial analysis.

Prerequisite: Applied Mathematics 21 or equivalent.

Engineering Sciences 110. Science, Engineering, and the Community

Catalog Number: 0452 Enrollment: Limited to 15.

Vinothan N. Manoharan

Half course (fall term). M., 5–7:30 p.m. EXAM GROUP: 9

Activity-based course for beginning/intermediate science and engineering undergraduates.

Combines readings and discussions on techniques for learning science and engineering design with implementation in an 8th grade science class in Cambridge. Students work directly with the 8th graders to guide how they learn. Students apply what they discover to improve their own understanding of college-level science and engineering.

Prerequisite: Interest in science, engineering, learning, and outreach.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

Joost J. Vlassak

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

A first course in the mechanical sciences which introduces elements of continuum mechanics and explains how materials and structures stretch, bend, twist, shake, buckle, and break. Stress-strain behavior of materials. Statically determinate and indeterminate structures. Stress and strain, equations of motion or equilibrium, strain-displacement relations. Torsion. Beam theory with applications to beam deflections, vibrations, and buckling. Three laboratory sessions required.

Prerequisite: Physics 11a or 15a, and Applied Mathematics 21a or Mathematics 21a (previously) and Applied Mathematics 21b or Mathematics 21b (previously or concurrently).

***Engineering Sciences 122. Cellular Engineering**

Catalog Number: 8439

Kevin K. Parker

Half course (spring term). M., W., 11–1. EXAM GROUP: 4, 5

Summary of the physical laws governing cellular homeostasis; role of the tissue microenvironment on cell life, death, and differentiation; control of cellular function and genetic programs by adhesion to substrates; signal transduction pathways and cellular metabolic control; mechanochemical and mechanoelectrical signal transduction; cell motility; clinical and industrial applications of engineered cells.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes

Catalog Number: 8323

Anette E. Hosoi (Massachusetts Institute of Technology)

Half course (spring term). M., W., F., at 10, and laboratory. EXAM GROUP: 3

Dimensional analysis. Basic elements of steady and unsteady thermal conduction and mass



diffusion. Statics and dynamics of fluids. Buoyancy-stability and hydrostatics. Laminar viscous flows, potential flows, origin of lift, and basic aspects of boundary layers. Navier-Stokes and continuity equations. Applications in aerodynamics, biomedical, chemical, environmental, and mechanical engineering, biology, and physics. Introduction to finite-element computational software.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b.

Engineering Sciences 125. Mechanical Systems

Catalog Number: 7274

Robert D. Howe and Michael P. Brenner

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Modeling and analysis of mechanical and electromechanical systems. Topics include 3D rigid body dynamics, resonance, damping, frequency response, Laplace transform methods, Lagrange's equations, multiple degree-of-freedom systems and an introduction to nonlinear vibration, continuous systems, and control. Analytical modeling will be supplemented with numerical simulations and lab experiments. Laboratory exercises will explore vibration, stabilization, and nonlinear systems using data acquisition systems.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b or Mathematics 23a,b; Physics 11a or 15a.

Engineering Sciences 128. Computational Solid and Structural Mechanics

Catalog Number: 0359

Katia Bertoldi

Half course (spring term). M., W., F., at 1, and a weekly section to be arranged. EXAM GROUP: 6

Foundations of continuum mechanics, conservation laws, stress, strain, and constitutive behavior. Development of elasticity theory. Basic problems of stressing and deformation. Focus on computer analysis using the finite-element method. Plane stress and strain, torsion, wave propagation, vibrations, thin-walled structures, creep, plasticity and fracture. In computer implementation, students develop simple finite-element analyses using the general-purpose program ABAQUS, and do a project addressing a significant problem arising in mechanical, civil or materials engineering, biomechanics, or earth science.

Prerequisite: Engineering Sciences 120 or equivalent introduction to the mechanics of deformable materials.

Engineering Sciences 130. Tissue Engineering

Catalog Number: 3169

David J. Mooney

Half course (fall term). Tu., Th., 1-2:30, and a weekly lab. EXAM GROUP: 15, 16

Fundamental engineering and biological principles underlying field of tissue engineering, along with examples and strategies to engineer specific tissues for clinical use. Students will prepare a paper in the field of tissue engineering, and participate in a weekly laboratory in which they will learn and use methods to fabricate materials and perform 3-D cell culture.

Prerequisite: Biochemistry or cell biology background.



Engineering Sciences 139. Innovation in Science and Engineering: Conference Course

Catalog Number: 0994 Enrollment: Limited to 28.

David A. Weitz

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Explores factors and conditions contributing to innovation in science and engineering; how important problems are found, defined, and solved; roles of teamwork and creativity; and applications of these methods to other endeavors. Students receive practical and professional training in techniques to define and solve problems, and in brainstorming and other individual and team approaches.

Note: Taught through a combination of lectures, discussions, and exercises led by innovators in science, engineering, arts, and business.

Engineering Sciences 145. Physiological Systems Analysis

Catalog Number: 8197

Daniel M. Merfeld (Medical School)

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A survey of systems theory with applications from bioengineering and physiology. Analysis: differential equations, linear and nonlinear systems, stability, the complementary nature of time and frequency domain methods, feedback, and biological oscillations. Applications: nerve function, muscle dynamics, cardiovascular regulation. Laboratory: neural models, feedback control systems, properties of muscle, cardiovascular function.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent. Physiology at the level of Engineering Sciences 53 suggested.

***Engineering Sciences 147. Idea Translation: Effecting Change through the Arts and Sciences**

Catalog Number: 9676 Enrollment: Limited to 30.

David A. Edwards

Half course (fall term). M., W., 1–3. EXAM GROUP: 6, 7

How do Art and Science fuse to produce breakthrough ideas in global health, culture, and industry? This introduction to idea generation and development focuses on how idea creations evolve from a passionate will to effect change. Students from all disciplines are guided by experts in their field throughout the semester to translate their own projects. Significant in class time devoted to group projects. Factors of effective idea translation focused through case studies, debates, and interaction with visiting leaders. (e.g. Global health experts, entrepreneurs, theatre directors, and others.)

Note: Open to sophomores, juniors, and seniors by permission of instructor.

[Engineering Sciences 149. Neural Control of Movement]

Catalog Number: 0440

Maurice A. Smith

Half course (fall term). Tu., Th., 10–11:30.

Approaches from robotics, control theory, and neuroscience for understanding biological motor systems. Analytical and computational modeling of muscles, reflex arcs, and neural systems that contribute to motor control in the brain. Focus on understanding how the central nervous system plans and controls voluntary movement of the eyes and limbs. Learning and memory; effects of



variability and noise on optimal motor planning and control in biological systems.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Mathematics 21b or Applied Mathematics 21b or equivalent, probability and statistics, Physics 11a or equivalent.

Engineering Sciences 150. Probability with Applications in Electrical Engineering

Catalog Number: 8997

Navin Khaneja

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

An introduction to basic probabilistic ideas that find application in the study of communications and systems. Topics include: random variables, distributions and densities. Probabilistic models in engineering. Markov chains and other discrete time stochastic processes. Conditional probabilities, Bayes' rule and application to the estimation of the value of a stochastic process. Examples from communication theory; characterization of communication channels.

Introduction to decision theory and application to the control of uncertain systems.

Prerequisite: Mathematics 21a or Applied Mathematics 21a, and Mathematics 21b or Applied Mathematics 21b.

Engineering Sciences 151. Electromagnetic Engineering

Catalog Number: 5742

Jene A. Golovchenko

Half course (spring term). Tu., Th., 9:30–11. EXAM GROUP: 11, 12

Electromagnetism and its applications in modern science and technology, with special emphasis on wireless and fiber-optic communications. Topics include transmission lines and microwave circuits, Maxwell's equations, electromagnetic waves in free space, matter, and waveguides, ray optics, and antennae. Applications of electromagnetism in ultra-fast integrated circuits, wireless networking, and radio astronomy are also discussed to place the electromagnetic theory in practical contexts of the present-day science research and communication technology.

Prerequisite: Basic electromagnetism (Physics 11b or 15b or equivalent), basic circuit analysis (Engineering Sciences 50 or Engineering Sciences 154 or equivalent), basic vector calculus (Applied Math 21a or equivalent), basic differential equations (Applied Math 21b or equivalent) and familiarity with Fourier analysis (some part of Applied Math 105a or ES 156 or equivalent).

Engineering Sciences 154. Electronic Devices and Circuits

Catalog Number: 6319

Donhee Ham

Half course (fall term). Tu., Th., 2:30–4, and laboratory to be arranged. EXAM GROUP: 16, 17

Design of analog integrated circuits using semiconductor transistors. Emphasis on intuitive design methods, and analytical and simulation-based circuit analysis. Topics: the physics of semiconductors; operating principles of bipolar transistors and field effect transistors; bias circuits and active loads; single- and multi-stage amplifiers; operational amplifiers; frequency responses and stability; noise; switched capacitor circuits and comparators; data converters.

Prerequisite: Familiarity with differential equations and Fourier analysis (Applied Mathematics 21b or Mathematics 21b), familiarity with electric charges and fields (Physics 11b or 15b).



Engineering Sciences 156. Signals and Systems

Catalog Number: 6284

Vahid Tarokh

Half course (spring term). Tu., Th., 2:30-4, and weekly one hour Matlab section and one hour problem section to be arranged. EXAM GROUP: 16, 17

Time and frequency domain representations and analysis of signals and systems. Convolution and linear input-output systems in continuous and discrete time. Fourier transforms and Fourier series for continuous- and discrete-time signals. Laplace and Z transforms. Analog and digital filtering. Modulation. Sampling. FFT. Applications in circuit analysis, communication, control, and computing.

Prerequisite: Applied Mathematics 21b or Mathematics 21b.

[Engineering Sciences 157. Speech and Audio Processing]

Catalog Number: 1724

Patrick J. Wolfe

Half course (spring term). Tu., Th., 2:30-4.

Introduction to speech and audio processing, including both mathematical models and practical applications thereof. Time-frequency analysis, synthesis, modification, and coding of information-carrying natural sound signals; relevant aspects of acoustics and auditory perception; fundamental contemporary applications and methodologies.

Note: Expected to be given in 2010-11.

Prerequisite: Engineering Sciences 156 or equivalent.

[Engineering Sciences 158. Digital Communications]

Catalog Number: 7721

Instructor to be determined

Half course (fall term). Hours to be arranged.

Examines the fundamental theories behind modern digital communication systems. Topics include: fundamental limits on communications, channel coding theorem, channel capacity theorem; baseband communications, orthogonal signal bases, matched filter receiver; digital representations of analog signals, sampling; waveform coding; baseband waveform coding; baseband waveform shaping, pulse amplitude modulation and intersymbol interference channels; digital modulation techniques; elements of error-control coding/decoding, viterbi decoding/detection; elements of spread-spectrum communications.

Note: Expected to be given in 2010-11.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

[Engineering Sciences 159. Introduction to Robotics]

Catalog Number: 3126

Robert J. Wood

Half course (spring term). Tu., Th., 1-2:30.

Introduction to computer-controlled robotic manipulators. Topics include coordinate frames and transformations, kinematic structure and solutions, statics and dynamics of serial and parallel chain manipulators, control and programming, introduction to path planning, introduction to teleoperation, robot design, and actuation and sensing devices. Laboratory exercises provide experience with industrial robot programming and robot simulation and control.



Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 50, and either Engineering Sciences 125 or 156.

Engineering Sciences 162. Hydrology and Environmental Geomechanics

Catalog Number: 4163

James R. Rice

Half course (fall term). M., W., F., at 11, for three one-hour lecture sessions and 1 and a half hour lab session or section for discussion of assigned problems. EXAM GROUP: 4

Study of water as a critical resource and as a factor in Earth surface and near-surface processes. Focus on development of relevant mechanics and physics. Hydrologic cycle, surface and groundwater, evapotranspiration, soil physics. Flow in porous media, Darcy law, contaminant transport, remediation strategies. Poroelasticity, subsidence, well hydraulics. Seepage forces, landslides, dam failures, sediment liquefaction. Glacial processes. Stream flows, turbulence concepts. Gravity waves, flood control; tsunamis; erosion and sediment transport.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b and Physics 11a,b or 15a,b.

Engineering Sciences 164. Aqueous and Environmental Chemistry

Catalog Number: 4099

Colleen M. Hansel

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Present basic concepts, principles, and applications of environmental chemistry for students in environmental engineering, geology, chemistry, biology and related fields. Goal is to explore and apply the fundamental chemical principles of thermodynamics, kinetics, chemical bonding, and mass transfer to understand Earth processes and solve complex environmental problems. Survey a variety of environmental chemistry topics, including acid-base chemistry, aqueous speciation, solution-mineral-gas equilibria, oxidation-reduction reactions, kinetics, precipitation/dissolution, and atmospheric chemistry.

Note: Cannot be taken for credit by students who have already taken ENG-SCI 264.

Prerequisite: Physical Sciences 1 or permission of the instructors.

Engineering Sciences 165. Introduction to Environmental Engineering

Catalog Number: 4274

Peter P. Rogers

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Introduces engineering technologies for the control of the environment and relates them to underlying scientific principles. Efficient design of environmental management facilities and systems. Cases from aquatic, terrestrial, and atmospheric environments discussed.

Note: For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Applied Mathematics 21a or 21b or equivalent.

[Engineering Sciences 166. Environmental Microbiology]

Catalog Number: 3177

Colleen M. Hansel

Half course (spring term). Tu., Th., 2:30–4.

This course is designed to introduce students to the fundamental concepts of microbiology and biochemistry in the context of Earth systems and environmental engineering. The goal is to



explore the diverse role of microorganisms in biogeochemical cycling, biotechnology, and biodeterioration. General topics include cell structure and chemistry, microbial metabolism, bioenergetics, microbial ecology, energy generation, and pollutant degradation.

Note: Expected to be given in 2010–11.

Prerequisite: LS 1 or permission of instructor.

Engineering Sciences 167. Environmental Assessment

Catalog Number: 6885

Peter P. Rogers

Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

Examines the methods and approaches to environmental impact assessment currently being used and new approaches which rely on improved scaling and index development. Models of impact and indices for air, water, and land impacts will be examined using data from Asia and North America. Cost-of-remediation and environmental elasticity indicators will be examined and their use in engineering design and regulation of the environment will be assessed.

Prerequisite: Familiarity with the material of Engineering Sciences 6 and Social Analysis 10.

[Engineering Sciences 173. Introduction to Electronic and Photonic Devices]

Catalog Number: 3490

Evelyn Hu

Half course (spring term). W., F., 1–2:30.

This course will focus on physical principles underlying semiconductor devices: electrons and holes in semiconductors, energies and bandgaps, transport properties of electrons and holes, p-n junctions, transistors, light emitting diodes, lasers, solar cells and thermoelectric devices.

Note: Expected to be given in 2010–11.

Prerequisite: Physics 11a and b, or Physics 15a and b or equivalent (mechanics; electromagnetism); undergraduate level quantum mechanics.

Engineering Sciences 174. Photonic and Electronic Device Laboratory

Catalog Number: 3178

Kenneth B. Crozier

Half course (spring term). M., at 9, and a weekly 3-hour lab. EXAM GROUP: 2

Physics and fabrication of photonic and electronic devices. Laboratory experiments and lectures on semiconductor lasers, photodetectors and optical fibers. Students use cleanroom to fabricate MOSFETs. Fabrication lectures on lithography, deposition, etching, oxidation, implantation, diffusion and electrical characterization. Suitable for undergraduate and graduate students wishing to gain fabrication experience.

Prerequisite: Physics 11a and Physics 11b; or Physics 15a and 15b.

Engineering Sciences 181. Engineering Thermodynamics

Catalog Number: 3889

Michael J. Aziz

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to engineering thermodynamics with emphasis on classical thermodynamics.

Topics: zeroth law and temperature. Properties of single-component gases, liquids, and solids; steam tables. Equations of state for ideal and simple nonideal substances. First law, heat and heat



transfer, work, internal energy, enthalpy. Second law, entropy, free energy. Third law. Heat engines and important engineering applications such as refrigerators, power cycles. Properties and simple models of solutions. Phase and chemical equilibrium in multicomponent systems; chemical potential. Laboratory included.

Prerequisite: Physics 11 or 15 and Applied Mathematics or Mathematics 21; chemistry at the level of a good secondary school course or Chemistry 5.

Engineering Sciences 190. Introduction to Materials Science and Engineering

Catalog Number: 6973

Shriram Ramanathan

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Introduction to the structure, properties, and applications of materials. Crystal structure and defects. Phase transformations: phase diagrams, diffusion, nucleation and growth. Mechanisms of deformation and fracture. Effect of microstructure on properties. Examples from a variety of engineering applications will be discussed.

Prerequisite: Engineering Sciences 181 or equivalent, Physics 11 or 15, and Applied Mathematics 21a,b or Mathematics 21a,b.

Cross-listed Courses

Earth and Planetary Sciences 133. Atmospheric Chemistry

Physics 129. Energy Science - (New Course)

Physics 136. Physics of NMR Imaging with Medical Applications (formerly Physics of Medical Imaging)

Primarily for Graduates

Additional courses of interest to graduate students in Electrical Engineering includes Computer Sciences 246r. Additional courses of interest to graduate students in Decision, Control, and Communication include Economics 2010a, 2010b, 2010c, 2120, 2140; Statistics 110, 171.

Engineering Sciences 201. Decision Theory

Catalog Number: 2362

Roger W. Brockett

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Mathematical analysis of decision making. Bayesian inference and risk. Maximum likelihood and nonparametric methods. Algorithmic methods for decision rules: perceptrons, neural nets, and back propagation. Hidden Markov models, Blum-Welch, principal and independent components.

Prerequisite: Applied Mathematics 21a,b or Mathematics 21a,b, and Statistics 110 or equivalents.

Engineering Sciences 202. Estimation and Control of Dynamic Systems

Catalog Number: 5080

Roger W. Brockett

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9



Study of dynamical systems with deterministic and stochastic inputs. Controllability and observability, linear quadratic control, dynamic programming and the Pontryagin maximum principle, Stochastic models and Kalman-Bucy filtering. Applications from engineering and economics.

Prerequisite: Linear differential equations, matrix algebra, and introductory probability as covered in Mathematics 21a, b and Engineering Sciences 150 or equivalents.

[Engineering Sciences 203. Stochastic Control]

Catalog Number: 6982

Roger W. Brockett

Half course (fall term). Tu., Th., 10–11:30.

Introduction to the theory of stochastic differential equations based on Wiener processes and Poisson counters, and an introduction to random fields. The formulation and solution of problems in nonlinear estimation theory. The Kalman-Bucy filter and nonlinear analogues. Identification theory. Adaptive systems. Applications.

Note: Expected to be given in 2010–11.

Prerequisite: Applied Mathematics 105a,b or equivalent. Some prior exposure to probability; Engineering Sciences 202 desirable but not essential.

[Engineering Sciences 209. Nonlinear Control Systems]

Catalog Number: 1194

Navin Khaneja

Half course (fall term). Tu., Th., 10–11:30.

Study of nonlinear input-output systems including controllability, observability, uniqueness of models, stability, and qualitative behavior of nonlinear dynamical systems. Differential geometry and Lie theory methods developed to study control of classical and quantum mechanical systems.

Note: Expected to be given in 2010–11.

[Engineering Sciences 210. Mathematical Programming](#)

Catalog Number: 5499

Donald G. M. Anderson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to basic optimization techniques. Linear programming: the simplex method and related algorithms, duality theory, interior-point methods. Unconstrained optimization, nonlinear programming, convexity.

Note: Offered in alternate years.

Prerequisite: Applied Mathematics 21a and 21b, or Mathematics 21a and 21b, and Applied Mathematics 120, or equivalent.

[*Engineering Sciences 211. Cardiac Biophysics]

Catalog Number: 3906

Kevin K. Parker

Half course (spring term). M., 12–2.

A quantitative examination of cardiac excitation and excitation-contraction coupling. Cardiac membrane channels, the action potential (Hodgkin-Huxley and Luo-Rudy models), and action potential propagation (cable and bidomain models). Arrhythmias, drugs, and defibrillation.



Note: Expected to be given in 2010–11.

Prerequisite: Electromagnetic field and electric circuit theories, calculus through partial differential equations, cell biology, physiology, and extensive MATLAB programming experience. C programming experience recommended.

Engineering Sciences 212. Quantitative Cell Biology: Self-Organization and Cellular Architecture - (New Course)

Catalog Number: 30956

Daniel Joseph Needleman

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Cell biology – from foundations to current research topics. Intended for students without cell/molecular biology training. Cell architecture, molecular and phenomenological aspects, signaling, organelle form/function, trafficking, quantitative experimental techniques, models of cellular organization and dynamics.

[Engineering Sciences 216. Biological Dynamics]

Catalog Number: 8148

Instructor to be determined

Half course (spring term). M., W., 2:30–4.

Develops and applies continuum and statistical mechanics to biomechanical phenomena. Molecular, cellular and tissue mechanics. Motors, motility and muscle. Sensory physiology and mechanotransduction. Morphogenesis and development. Animal locomotion. Evolutionary mechanics.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Knowledge of undergraduate fluid/solid mechanics (or equivalent courses in physics), differential equations.

Engineering Sciences 220. Fluid Dynamics

Catalog Number: 2759

James R. Rice

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Vector and tensor calculus. Conservation laws; kinematics and constitutive equations. Exact solutions of the Navier-Stokes equations. Lubrication theory and low Reynolds number flows. Potential flows and boundary layer theory including thermal boundary layers. Turbulence; free-surface flows.

Prerequisite: Familiarity with classical mechanics, partial differential equations, vectors, and multivariable calculus. An undergraduate course in fluid dynamics or other continuum mechanics is strongly recommended.

***Engineering Sciences 221. Drug Delivery**

Catalog Number: 8223 Enrollment: Limited to 30.

Debra T. Augustine

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Methods to deliver molecules to the human body. Physiological obstacles and engineering solutions. Characterization techniques for drug delivery synthesis and in vitro analysis. Case studies of current pharmaceutical products.



Prerequisite: Mathematics 21a,b or Applied Mathematics 21a,b, and Chemistry 5 or Life Sciences 1a.

***Engineering Sciences 222. Advanced Cellular Engineering**

Catalog Number: 0696

Kevin K. Parker

Half course (spring term). M., W., 11–1. EXAM GROUP: 4, 5

Students are expected to meet all requirements of Engineering Sciences 122 and to give a presentation on a cellular engineering topic of their choosing, subject to instructor approval, with handouts, homework, and examination questions.

Prerequisite: Inorganic chemistry, cell biology, physics, and mathematics at the level of Applied Mathematics 21 or Mathematics 21. Suggested courses include organic chemistry and molecular biology.

Engineering Sciences 224. Laboratory in Engineering and Physical Biology

Catalog Number: 4136

Nancy Kleckner

Half course (spring term). M., W., 1–5. EXAM GROUP: 6, 7, 8, 9

A project-oriented laboratory course which will integrate genetic, molecular, biochemical and cytological approaches from the life sciences with optical, magnetic and mechanical approaches from the physical sciences. Interesting and original experiments will be organized around a common theme which, this year, will be "Biomechanics of E. coli."

Note: Intended primarily for first year graduate students in the EPB PhD track but available to other graduate students and advanced undergraduates as space and resources permit.

Engineering Sciences 226r. Special Topics in Neural Engineering: Learning and Memory in Neural Systems

Catalog Number: 3086

Maurice A. Smith

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Course will present classical findings and new research that give insight into mechanisms of learning and memory formation in neural systems. Learning and memory will be studied both as neurobiological phenomena and as computational challenges.

Note: Offered in alternate years.

Prerequisite: Applied Mathematics 105a and 105b, probability and statistics.

Engineering Sciences 230 (formerly Engineering Sciences 223). Advanced Tissue Engineering

Catalog Number: 5718

David J. Mooney

Half course (fall term). Tu., Th., 1-2:30, and a weekly lab. EXAM GROUP: 15, 16

Fundamental engineering and biological principles underlying field of tissue engineering, along with examples and strategies to engineer specific tissues for clinical use. Student design teams prepare a research proposal and participate in a weekly laboratory.

Prerequisite: Biochemistry or cell biology background.



***Engineering Sciences 231. Survey of Energy Technology**

Catalog Number: 1486

Michael J. Aziz

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Principles governing energy generation and interconversion. Current and projected world energy use. Selected important current and anticipated future technologies for energy generation, interconversion, storage, and end usage.

Prerequisite: One full year of college-level physics and familiarity with chemistry at the high school advanced placement level.

Engineering Sciences 232. Understanding Manufacturing Technology and Industry

Evolution: Seminar - (New Course)

Catalog Number: 97585

Woodward Yang

Half course (fall term). W., 3–5:30.

Graduate seminar on historical evolution of steel, semiconductor, and auto industries and to explore relationships between manufacturing processes, technological innovations, and industry structure. Group project to analyze another major industry.

Note: Open to undergraduates by permission of instructor.

Prerequisite: Undergraduate level background in Physics, Chemistry, and/or Engineering and in Economics.

Engineering Sciences 239. Advanced Innovation in Science and Engineering: Conference Course

Catalog Number: 8303 Enrollment: Limited to 28.

David A. Weitz

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Students are expected to meet all the requirements of Engineering Sciences 139 and in addition are required to prepare an individual term project with significant analytic emphasis in an area of scientific or technological innovation.

Engineering Sciences 240. Solid Mechanics

Catalog Number: 2984

Joost J. Vlassak

Half course (fall term). M., W., F., at 10, and a weekly section to be arranged. EXAM GROUP: 3

Foundations of continuum mechanics, development of elasticity theory, and introduction to plasticity and creep. Elastic waves. Basic elasticity solutions. Variational principles.

Prerequisite: Applied Mathematics 105b or equivalent; introduction to solid mechanics at the level of Engineering Sciences 120, or Earth and Planetary Sciences 108 or 166, or Applied Physics 293.

[Engineering Sciences 241. Advanced Elasticity]

Catalog Number: 6711

James R. Rice

Half course (spring term). Tu., Th., 10–11:30.

For linear theory: singular solutions; waves and vibrations; dislocations and inhomogeneities;



wave radiation from cracking and faulting. Fracture dynamics. Finite deformations; buckling and localizations; thermodynamics; thermoelasticity; poroelasticity.

Note: Expected to be given in 2010–11. Offered in alternate years.

Prerequisite: Engineering Sciences 240 and Applied Mathematics 201 or equivalents.

[Engineering Sciences 242r. Solid Mechanics: Advanced Seminar]

Catalog Number: 5379

John W. Hutchinson

Half course (spring term). Tu., Th., 1:30–3.

Topic Spring 2008: Beams, Plates and Shells. Equations governing the linear and nonlinear behavior of these structures will be derived and investigations will be made of how these structures deform, vibrate and buckle.

Note: Expected to be given in 2010–11.

Prerequisite: Engineering Sciences 240 or equivalent.

[Engineering Sciences 246. Plasticity]

Catalog Number: 4271

Joost J. Vlassak

Half course (fall term). Tu., Th., 2:30–4.

Phenomenological theories for strain hardening materials; flow and deformation theories.

Variational principles and other general theorems. Mechanisms of plastic deformation, physical theories for strain hardening materials, and polycrystals. Ideal plasticity. Boundary value problems, plastic collapse, buckling of structures.

Note: Expected to be given in 2010–11.

Prerequisite: Engineering Sciences 240, or equivalent.

Engineering Sciences 247. Fracture Mechanics

Catalog Number: 7152

Zhigang Suo

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Fundamentals of fracture with applications in materials and structural mechanics.

Micromechanics of fracture in ceramics, metals, and polymers. Fracture of composite materials.

Interfacial fracture mechanics. Fatigue crack propagation.

Prerequisite: Engineering Sciences 240 or equivalent.

[Engineering Sciences 249. Advanced Neural Control of Movement]

Catalog Number: 3145

Maurice A. Smith

Half course (fall term). Tu., Th., 10–11:30.

Students expected to meet all of the requirements of Engineering Sciences 149 and in addition to submit a term project with significant analytic content.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Mathematics 21b or Applied Mathematics 21b or equivalent, probability and statistics, Physics 11a or equivalent.



Engineering Sciences 250. Information Theory

Catalog Number: 8606

Patrick J. Wolfe

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Fundamental concepts of information theory and applications to signal processing, communications, statistics. Entropy, differential entropy, mutual information; data compression and rate distortion theory; channel capacity, coding, the Gaussian channel. Contemporary research topics as time permits.

Prerequisite: Probability theory in Engineering Sciences 150, Statistics 110, or equivalent; or permission of instructor.

[Engineering Sciences 251r (formerly Engineering Sciences 251). Advanced Topics in Inference, Information, and Statistical Signal Processing]

Catalog Number: 3211

Patrick J. Wolfe

Half course (spring term). Tu., Th., 10–11:30.

Advanced machine learning, from the unifying perspective of inference and regularization. Statistical learning theory, kernel methods; connections to information theory and data compression. Model fitting and stochastic computation for high-dimensional and non-Euclidean data.

Note: Expected to be given in 2010–11. Equal emphasis on theory, algorithms, and applications.

Prerequisite: Background equivalent to Computer Science 228, 281, or Engineering Sciences 201, or permission of instructor.

Engineering Sciences 252. Micro/Nano Robotics

Catalog Number: 0239

Robert J. Wood

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Motivations and methods for the development of robotic devices on the micro and nano scale. Topics include sensors, actuators, fabrication paradigms, and the physics of scaling. Examples from surgical robotics, mobile microrobots, and micro/nano manipulation.

Engineering Sciences 255. Detection and Estimation Theory and Applications

Catalog Number: 9816

Navin Khaneja

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Statistical decision theory; hypothesis testing; linear and non-linear estimation; maximum likelihood and Bayes approaches; stochastic processes and systems; signal detection and estimation in noise; Wiener and Kalman filtering; applications to physical, chemical, and biological systems.

Prerequisite: Knowledge of probability theory and calculus.

[Engineering Sciences 257. Advanced Speech and Audio Processing]

Catalog Number: 5006

Patrick J. Wolfe

Half course (spring term). Tu., Th., 2:30–4.



Students are expected to meet all the requirements of Engineering Sciences 157 and in addition are required to prepare a more substantial term project at a level on par with current research in the field.

Note: Expected to be given in 2010–11. Offered jointly with Harvard-MIT Division of Health Sciences and Technology as HST.729.

Prerequisite: Engineering Sciences 156 or equivalent.

[Engineering Sciences 258. Advanced Digital Communications]

Catalog Number: 8645

Instructor to be determined

Half course (fall term). Hours to be arranged.

Course requirements are similar to Engineering Sciences 158, with the exception that students enrolled in Engineering Sciences 258 are required to prepare a term project analyzing current research in a specific area of digital communications.

Note: Expected to be given in 2010–11.

Prerequisite: Engineering Sciences 156 and a course in probability theory and/or statistics.

[Engineering Sciences 259. Advanced Introduction to Robotics]

Catalog Number: 3671

Robert J. Wood

Half course (spring term). Tu., Th., 1–2:30.

Course requirements are similar to Engineering Sciences 159, with the exception that students enrolled in Engineering Sciences 259 are required to prepare a term project analyzing current research in a specific problem area within Robotics.

Note: Expected to be given in 2010–11.

Prerequisite: Computer Science 50 and either Engineering Sciences 125 or 156.

[Engineering Sciences 261. Design of Water Resource Systems]

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). M., W., 3:30–5.

Design of evaluation and management systems for water resources. Uses techniques of operations research for planning integrated water resources systems. Applications to water supply, irrigation hydropower, environmental protection, and conservation of wildlife.

Note: Expected to be given in 2010–11. Given in alternate years.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

[Engineering Sciences 262. Advanced Hydrology and Environmental Geomechanics]

Catalog Number: 5658

James R. Rice

Half course (fall term). M., W., F., at 9 and a 90 minute advanced session to be arranged.

Same topic areas and lectures as for Engineering Sciences 162 but supplemented by a weekly 90 minute advanced session, and more demanding problems, reading, and reporting assignments.

Note: Expected to be given in 2010–11. Offered in alternate years, expected to next be given in 2010-2011. When not offered, comparable material is available in the spring term course Earth and Planetary Sciences 202, Mechanics in Earth and Environmental Sciences.



Prerequisite: Applied Mathematics 105a and 105b or equivalent, and an undergraduate background covering fundamentals of fluid or solid mechanics like in Engineering Sciences 120 or 123 or Earth and Planetary Sciences 131, 132, or 171.

[Engineering Sciences 263. Applied Microbial Geochemistry]

Catalog Number: 5384

Colleen M. Hansel

Half course (spring term). Th., 2–4:30.

Explores microbial diversity, metabolic pathways, and microbially induced chemical reactions involved in cycling and biomineralization of redox-active contaminants, including metals and radionuclides. Application and engineering of microorganisms for environmental remediation will be discussed.

Note: Expected to be given in 2010–11.

Prerequisite: Knowledge of undergraduate level redox chemistry and microbiology required (minimum of Life Sciences 1a and Physical Sciences 1 or equivalent courses) or permission of instructor.

[Engineering Sciences 264. Advanced Aqueous and Environmental Chemistry]

Catalog Number: 1726

Colleen M. Hansel and Steven C. Wofsy

Half course (fall term). M., W., 1–2:30.

Content and requirements are similar to ES 164, with the exception that students enrolled in ES 264 are assigned more demanding problem sets and are required to prepare a term project or presentation in applied environmental chemistry.

Note: Expected to be given in 2010–11. Cannot be taken for credit by students who have already taken ENG-SCI 164

Prerequisite: Physical Sciences 1 or permission of the instructors.

[Engineering Sciences 266. Advanced Environmental Microbiology]

Catalog Number: 2807

Colleen M. Hansel

Half course (spring term). Tu., Th., 2:30–4.

Course content and requirements are similar to ES 166, with the exception that students enrolled in ES 266 are assigned more demanding problem sets and are required to prepare a term project or presentation in environmental microbiology.

Note: Expected to be given in 2010–11.

[Engineering Sciences 267. Aerosol Science and Technology]

Catalog Number: 4446

Scot T. Martin

Half course (fall term). Tu., Th., 11:30–1.

Physics and chemistry of aerosol particles. Concepts: size, shape, and density; number size distributions; uniform, accelerated, and Brownian motion; electrical properties; measurement instrumentation; condensation/evaporation; coagulation; and optical properties. Taught by reference to topical problems.

Note: Expected to be given in 2010–11. Given in alternate years.



Engineering Sciences 268. Environmental Chemical Kinetics

Catalog Number: 8711

Scot T. Martin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Time rate of change of chemical species in environmental systems. Measure rate constants.

Linear free energy relationships and structural contributions to estimate unknown rate constants.

Formulating a coupled chemical system. Numerical analysis of complex systems.

Note: Given in alternate years.

Engineering Sciences 271r. Topics in Mixed-Signal Integrated Circuits

Catalog Number: 1158

Gu-yeon Wei

Half course (fall term). M., W., 4:30–6. EXAM GROUP: 9

Reviews research and development of various topics in mixed-signal integrated circuits and systems. Topics in 2009 will focus on ultra-low-power circuits and architectures for deeply embedded systems; accelerator-based multi-core computing platforms; low-voltage memories; subthreshold circuits for digital and analog computing; robust low-current reference generators; low-voltage voltage regulators and delivery; and related circuits.

Prerequisite: Computer Science 148 or Computer Science 248 or equivalent, and Engineering Sciences 154 or equivalent, or with permission of instructor.

[Engineering Sciences 272. RF and High-Speed Integrated Circuits]

Catalog Number: 5157

Instructor to be determined

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Analysis and design of RF and high speed integrated communication circuits at both transistor and system levels. Emphasis on intuitive design methods, physical understanding, analytical and simulational performance evaluation, and practical technology limitations.

Note: Expected to be given in 2010–11.

Prerequisite: Solid-state devices and analog circuits (Engineering Sciences 154 or equivalent), basic electromagnetism (Physics 11b or 15b or some part of Engineering Sciences 151 or equivalent), basic differential equations (Applied Mathematics 21b or equivalent), and Fourier analysis (some part of Applied Mathematics 105a or Engineering Sciences 156 or equivalent).

Engineering Sciences 273. Optics and Photonics

Catalog Number: 8382

Marko Loncar

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Topics include: review of electromagnetism, negative index materials, optical beams and free-space optics, guided wave optics (including optical fiber), optical resonators, perturbation and couple mode theory, transfer matrix methods, periodic optical structures, plasmons, nonlinear optics.

Note: Open to graduate students and advanced undergraduates.

Engineering Sciences 274. Quantum Technology I

Catalog Number: 5645



Federico Capasso

Half course (spring term). W., F., 2:30–4. EXAM GROUP: 7, 8

Covers concepts of device physics, including semiconductors, photonic devices, related quantum concepts. Semiconductor heterostructures: band structure engineering. Quantum wells, superlattices; resonant tunneling; Stark effect. Diode lasers; quantum well lasers, modulators and detectors; quantum cascade lasers.

Prerequisite: Undergraduate level quantum mechanics such as Physics 143a or equivalent.

Engineering Sciences 275. Nanophotonics

Catalog Number: 9815

Kenneth B. Crozier

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Recent developments in micro- and nano-photonic materials, devices and microscopy. Computational electromagnetics. Photonic crystals. Optical properties of metal nanostructures. Optical forces. Scanning near-field optical microscopy. Term-long research project.

Note: Open to graduate students and advanced undergraduates.

Prerequisite: Electromagnetism (Physics 11b or 15b or Engineering Sciences 151 or equivalent).

Engineering Sciences 299r. Special Topics in Engineering Sciences

Catalog Number: 6710

Robert D. Howe

Half course (fall term; repeated spring term). Hours to be arranged.

Supervision of experimental or theoretical research on acceptable engineering and applied science problems and supervision of reading on topics not covered by regular courses of instruction.

Note: Open to graduate students and AB/SM candidates only. Students must arrange such work with a member of the School of Engineering and Applied Sciences. This course is graded and is ordinarily taken with the approval of the Committee on Higher Degrees. Applicants must file a project sheet before study cards are filed. Project sheets may be obtained from the Academic Office, Pierce Hall 110.

Cross-listed Courses

[*Earth and Planetary Sciences 231. Climate Dynamics]

Additional courses of interest to graduate students in Environmental Science and Engineering might include courses offered at the Harvard School of Public Health.

Graduate Courses of Reading and Research

Reading courses are odd-numbered; research courses are even-numbered.

***Engineering Sciences 301,302. Nanophotonics**

Catalog Number: 7403,4838

Kenneth B. Crozier 5146



***Engineering Sciences 303,304. Topics in Electronic Materials and Semiconductor Heterostructure Physics**

Catalog Number: 8668,2824

Venkatesh Narayanamurti 5445

***Engineering Sciences 307,308. Control Theory, Robotics, Computer Vision, and Intelligent Machines**

Catalog Number: 7566,2719

Roger W. Brockett 3001

***Engineering Sciences 309,310. Design, Sensing, and Control**

Catalog Number: 5043,7419

Robert D. Howe 2789

***Engineering Sciences 311,312. Systems and Control, Quantum Information and Quantum Control, Computational Vision, Image Analysis and Understanding**

Catalog Number: 2025,9377

Navin Khaneja 4192

***Engineering Sciences 313,314. Image Processing and Computer Vision**

Catalog Number: 4254,8534

Todd Zickler 5143

***Engineering Sciences 315,316. Wireless Computing and Networking**

Catalog Number: 2848,2849

H. T. Kung 3155 (on leave spring term)

***Engineering Sciences 319,320. Microrobotics and Bio-inspired Autonomous Robotic Systems**

Catalog Number: 5306,5314

Robert J. Wood 5339

***Engineering Sciences 321,322. Heterogeneous Nanophotonic Devices and Bio-templated Electronic Materials - (New Course)**

Catalog Number: 85105,33583

Evelyn Hu 6682

***Engineering Sciences 323,324. Statistical Signal Processing**

Catalog Number: 1174,5484

Patrick J. Wolfe 5144

***Engineering Sciences 325,326. Mixed-Signal VLSI Design**

Catalog Number: 8415,9336

Gu-yeon Wei 4102



***Engineering Sciences 327,328. Circuit Design and Scientific Instrumentation**

Catalog Number: 4901,6521

Paul Horowitz 3537

***Engineering Sciences 329,330. Wireless Communication and Networking**

Catalog Number: 4111,7427

Vahid Tarokh 4368

***Engineering Sciences 331,332. RF/Microwave/Analog/Mixed-Signal Integrated Circuits and Ultrafast Electronics**

Catalog Number: 9645,9655

Donhee Ham 4519 (on leave spring term)

***Engineering Sciences 333,334. Mechanics and Materials in Small Structures**

Catalog Number: 6528,5449

Zhigang Suo 4761 (on leave fall term)

***Engineering Sciences 335,336. Mechanics of Engineering Materials and Small Devices**

Catalog Number: 8173,2399

Joost J. Vlassak 3184

***Engineering Sciences 337,338. Mechanics of Solids and Fluids: Earthquake Seismology and Environmental Geomechanics**

Catalog Number: 4316,3948

James R. Rice 7270

***Engineering Sciences 339,340. Materials Physics and Engineering - (New Course)**

Catalog Number: 39784,54891

David R. Clarke 6684

***Engineering Sciences 343,344. Deformation and Fracture of Materials**

Catalog Number: 3907,2803

John W. Hutchinson 1573

***Engineering Sciences 345,346. Neural Control of Movement**

Catalog Number: 6002,6007

Maurice A. Smith 5342

***Engineering Sciences 351,352. Engineering Mammalian Cell Phenotype**

Catalog Number: 4879,6421

David J. Mooney 4879

***Engineering Sciences 353,354. Cellular Biophysics**

Catalog Number: 3813,3798

Kevin K. Parker 4788



***Engineering Sciences 357,358. Atmosphere-Biosphere Interactions**

Catalog Number: 7661,8060

Steven C. Wofsy 4396

***Engineering Sciences 359,360. Stratospheric Chemistry and Transport**

Catalog Number: 8410,6856

Steven C. Wofsy 4396

***Engineering Sciences 361,362. Atmospheric Chemistry**

Catalog Number: 7238,7514

Daniel J. Jacob 1781

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628

***Engineering Sciences 365,366. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 3233,3236

Zhiming Kuang 5285

***Engineering Sciences 367,368. Environmental Science**

Catalog Number: 6773,9810

Michael B. McElroy 2462

***Engineering Sciences 369,370. Urban and Regional Systems Analysis**

Catalog Number: 8775,8768

Peter P. Rogers 2804

***Engineering Sciences 371,372. Environmental Microbiology**

Catalog Number: 6258,3885

Colleen M. Hansel 5609

***Engineering Sciences 373,374. Water Management - (New Course)**

Catalog Number: 63797,12275

John Briscoe 6683

***Engineering Sciences 375,376. Environmental Biology**

Catalog Number: 3985,2863

Ralph Mitchell 1587

***Engineering Sciences 377,378. Transport Phenomena and Biomaterials for Drug Delivery**

Catalog Number: 6385,8671

David A. Edwards 3919



***Engineering Sciences 379,380. Biomaterials**

Catalog Number: 2354,0313

Debra T. Auguste 5615

***Engineering Sciences 389,390. Environmental Chemistry**

Catalog Number: 6660,1639

Scot T. Martin 3365

***Engineering Sciences 393,394. Microelectronics and VLSI Systems**

Catalog Number: 6037,6056

Woodward Yang 2790

***Engineering Sciences 395,396. Nanoscale Optics, NEMS and Nanofabrication Technology**

Catalog Number: 2564,3687

Marko Loncar 5703

Cross-listed Courses

***Computer Science 365. SEAS Teaching Practicum**

English

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of English

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(*Chair*)

Daniel Albright, Ernest Bernbaum Professor of Literature

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Lawrence Buell, Powell M. Cabot Professor of American Literature

Stephen Louis Burt, Associate Professor of English , Professor of English

Glenda R. Carpio, Professor of English and of African and African American Studies

Leo Damrosch, Ernest Bernbaum Professor of Literature

Leland P. de la Durantaye, Gardner Cowles Associate Professor of English

Daniel G. Donoghue, John P. Marquand Professor of English (*Director of Undergraduate Studies*)

Christine Mary Evans, Briggs-Copeland Lecturer on English

Philip J. Fisher, Harvard College Professor, Felice Crowl Reid Professor of English

Darcy Frey, Briggs Copeland Lecturer on English



Marjorie Garber, William R. Kenan, Jr. Professor of English and of Visual and Environmental Studies

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor

Jorie Graham, Boylston Professor of Rhetoric and Oratory

Stephen J. Greenblatt, Cogan University Professor (*on leave 2009-10*)

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Galena Eduardova Hashhozheva, College Fellow in the Department of English

Amy Hempel, Briggs-Copeland Lecturer on English

Hua H. Hsu, Visiting Assistant Professor of English (*Vassar*)

Bret A. Johnston, Senior Lecturer on English (*Director of Creative Writing*)

Robert Nicholas Jose, Visiting Professor of Australian Studies (*University of Adelaide*)

Matthew Kaiser, Assistant Professor of English

Joanna G. Klink, Briggs-Copeland Lecturer on English

Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English (*on leave spring term*)

Elizabeth Dyrud Lyman, Assistant Professor of English and American Literature and Language (*on leave fall term*)

Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave fall term*)

Elisa New, Professor of English

Peter C. Nohrnberg, Assistant Professor of English

Ferit Orhan Pamuk, Charles Eliot Norton Professor of Poetry

Diane Paulus, Artistic Director of the American Repertory Theatre

Julie Peters, Byron and Anita Wien Professor of Drama and of English and Comparative Literature

Leah Price, Harvard College Professor, Professor of English (*on leave 2009-10*)

Daniel J. Rubin, Briggs-Copeland Lecturer on English

Peter Sacks, John P. Marquand Professor of English

Robert Scanlan, Professor of the Practice of Theatre

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Michael Shinagel, Senior Lecturer on English

James Simpson, Harvard College Professor, Donald P. and Katherine B. Loker Professor of English (*Director of Graduate Studies*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies

John Stauffer, Professor of English and of African and African American Studies

Jason W. Stevens, Assistant Professor of English

Gordon Teskey, Professor of English

Joanne van der Woude, Assistant Professor of English and of History and Literature

Helen Vendler, Arthur Kingsley Porter University Professor

Nicholas Watson, Professor of English

James Wood, Professor of the Practice of Literary Criticism

David Zarefsky, Visiting Professor of English (*Northwestern University*)

Other Faculty Offering Instruction in the Department of English



Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
 Robert J. Kiely, Donald P. and Katherine B. Loker Professor of English, Emeritus
 Alison Simmons, Samuel H. Wolcott Professor of Philosophy

Department of English Common Ground Courses are required of concentrators, and are ordinarily not an entry point to the study of English at Harvard for non-concentrators. Students are invited, however, to begin with any course that seems suited to their interests and level of preparation: a Freshman Seminar taught by faculty members from the English Department or a 100-level course, all of which are taught in lecture or discussion format according to enrollment size; or, space permitting and with instructor consent, a 90-level Undergraduate Seminar or a Creative Writing Workshop.

I. Creative Writing

Primarily for Undergraduates

Without approval of the department, no student may take more than one full course (two half courses) in Creative Writing in any one year. A Creative Writing course may be repeated for credit provided the student has the permission of the instructor and the Director of Undergraduate Studies of the Department.

***English Cakr. Advanced Playwriting**

Catalog Number: 8581 Enrollment: Limited to 15.

Christine Mary Evans

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

This workshop-based course offers students a chance to consolidate previous skills and explore new approaches to developing full-length works. We will combine intensive weekly writing exercises with reading, play analysis and dramatic theory. Students will be asked to experiment with form and content in order to develop their own unique theatrical voices. All students will complete a full-length play in addition to shorter pieces.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Calr. Dramatic Screenwriting II**

Catalog Number: 1240 Enrollment: Limited to 15.

Daniel J. Rubin

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

This course will build up writing muscles of students seriously interested in screenwriting. Students will write and re-write scenes; alter and develop characters; solve story problems; re-write dialogue; give and receive pitches; do film analysis; workshop written materials; perform exercises related to the actual work done by professional screenwriters. By the end of the course students will have completed several short film scripts and the first act of an original feature length script.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.



***English Camr. Advanced Playwriting 2: Production Workshop**

Catalog Number: 2555 Enrollment: Limited to 15.

Christine Mary Evans

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

This workshop-based course is for advanced playwrights who have already completed a full-length or one-act play. Students will write a new play, developed through several drafts in a collaborative process that models professional practice. Each student will be paired with a director, actors, and a graduate dramaturge from the Advanced Institute of Theatre Training (I.A.T.T.), culminating in rehearsed public readings of the plays as part of the annual Harvard Playwrights' Festival.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Capr. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). W., 4–7 p.m.; W., 1–4. EXAM GROUP: 9

Open by application to both undergraduates and graduates. Please submit a portfolio including a letter of interest, ten poems, and a list of classes (taken at Harvard or elsewhere) that seem to have bearing on your enterprise. Class lasts 3 hours and includes the study of poetic practice in conjunction with the discussion of student work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cawr. Advanced Poetry Workshop - (New Course)**

Catalog Number: 19931 Enrollment: Limited to 15.

Joanna G. Klink

Half course (fall term; repeated spring term). W., 1–4. EXAM GROUP: 6, 7, 8

Open by application to undergraduates and graduates. This is an advanced workshop devoted to critical analysis and revision of poems. We will discuss student work in light of central problems in poetics, with particular emphasis on the relationship between voice (evidence of human presence) and description (evidence of world).

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Ckr. Introduction to Playwriting**

Catalog Number: 6781 Enrollment: Limited to 15.

Christine Mary Evans

Half course (fall term; repeated spring term). M., 2–5. EXAM GROUP: 7, 8, 9

Plays, unusual beasts in the world of writing, are design templates for live performance. Therefore, learning to think architecturally is a vital part of the playwright's craft. This workshop-based course introduces students to a range of structural and aesthetic approaches to playwriting—always with live performance in mind. It combines intensive weekly writing and discussion of student work with play analysis and dramatic theory. All students will complete a one-act play and several shorter pieces.



Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Clr. Dramatic Screenwriting I**

Catalog Number: 6121 Enrollment: Limited to 15.

Daniel J. Rubin

Half course (fall term; repeated spring term). Fall: M., 4-7 p.m.; W., 4-7 p.m.; Spring: M., 1-4.

EXAM GROUP: Fall: 9; Spring: 6, 7, 8

This workshop introduces the art, craft, and business of screenwriting. Students will complete short scripts and off-beat writing exercises focused on dramatic structure, character development, dialogue, theme, and tone; students will also analyze films and screenplays. By exploring visual storytelling, personal versus commercial sensibilities, and alternative approaches to script creation through the writing of short screenplays, students will acquire the tools, skills, and confidence to create feature film scripts.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cnfr. Introduction to Creative Nonfiction**

Catalog Number: 6740 Enrollment: Limited to 15.

Darcy Frey

Half course (fall term; repeated spring term). Fall: W., 4-6; Spring: W., 4-7 p.m. EXAM

GROUP: Fall: 9

Whether in essay, memoir or reportage, creative nonfiction employs many of the same literary techniques as fiction: narrative structure, character development, scene-setting, extended dialogue, emphasis on voice and point of view. In addition to workshopping student writing, we discuss examples of the genre by writers such as Virginia Woolf, William Maxwell, Joan Didion, and John McPhee. Assignments include two 10-15 page narratives, an extensive revision, and typed critiques of classmates' work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cnnr. Advanced Creative Nonfiction**

Catalog Number: 2121 Enrollment: Limited to 15.

Darcy Frey

Half course (fall term; repeated spring term). Fall: Th., 4-6; Spring: Th., 4-7 p.m. EXAM

GROUP: Fall: 18

In any long-form nonfiction (essay, memoir, travelogue, journalism), there are countless ways of structuring and telling a true story. In this workshop, students examine various techniques for giving nonfiction material dramatic and suspenseful energy: chronology, argument, juxtaposition, retrospection, evolving revelation. In addition to workshopping student writing, we discuss examples of the genre by writers such as Julia Blackburn, Truman Capote, Spalding Gray, and Janet Malcolm. Assignments include two 10-15 page narratives, an extensive revision, and typed critiques of classmates' work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.



***English Cpk. Poetry Workshop**

Catalog Number: 9817 Enrollment: Limited to 15.

Joanna G. Klink

Half course (fall term; repeated spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Open by application to undergraduates and graduates. This is a poetry workshop involving critical analysis of student work as well as reading and discussion of poems by established poets. On a weekly basis we will examine student poems and the practical issues in poetics (descriptive language, syntax, diction, etc.) they bring to light. Be prepared to do imitations; some memorization may also be required.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Crr. Fiction Writing**

Catalog Number: 1893 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). W., 4–7 p.m. EXAM GROUP: 9

An introduction to fundamental aspects (technical and conceptual) of writing fiction, beginning with short exercises and moving toward the completion and revision of original work. Readings include Munro, Welty, Diaz, Lahiri, and others, and explore how practicing writers negotiate character, narrative structure, setting, voice, etc. Individual reading assignments are also devised on a per project basis. As the term continues, increasing amounts of time are devoted to the discussion of student work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). Th., 4–7 p.m. EXAM GROUP: 18

Writers will become familiar with more sophisticated aspects (technical and conceptual) of writing fiction, beginning with short exercises and moving toward the completion and revision of original work. Readings include Munro, Welty, Diaz, Lahiri, and others, and we will explore how practicing writers negotiate character, narrative structure, setting, voice, etc. Individual reading assignments are also devised on a per project basis. As the term continues, increasing amounts of time are devoted to the discussion of student work. Students in this course will be expected to revise work often and to a very high standard.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cwar. Advanced Fiction Workshop - (New Course)**

Catalog Number: 88347 Enrollment: Limited to 15.

Amy Hempel

Half course (fall term; repeated spring term). Fall: Tu., 1-4; Spring: W., 4-7 p.m. EXAM GROUP: Fall: 15, 16, 17

Members of the advanced fiction workshop will aim to raise their levels of performance on the page, largely through guided revisions and continued reading to see the ways outstanding writers



solved similar problems. Two complete stories with revisions are required during the term, as well as weekly critiques of colleagues' work.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

***English Cwfr. Introductory Fiction Workshop - (New Course)**

Catalog Number: 21718 Enrollment: Limited to 15.

Amy Hempel

Half course (fall term; repeated spring term). Fall: M., 1–4; Spring: Th., 1–4. EXAM GROUP: Fall: 6, 7, 8; Spring: 15, 16, 17

An introduction to the short story with emphasis on amplifying the idea of what a story can be. We will look at a range of contemporary narrative strategies that exploit--in the best sense of the word--voice, character, place, logic, and (always) language. Readings will include Barry Hannah, Tillie Olsen, Leonard Michaels, Mark Richard, Mary Robison, Yasunari Kawabata, and selected poets. Short assignments will aim to strengthen writing at the sentence level, and suggest personal ways into the largest concerns. Students should expect to complete and revise two stories, and be prepared to discuss the work of colleagues each week.

Note: Admission based on submitted samples of writing. For information on specific application requirements, please see the English Department's Creative Writing web page.

II. Literature

Primarily for Undergraduates

Common Ground Courses (two hours of lecture, one hour of discussion section weekly). Preference is given to English concentrators.

***English 40. Arrivals: New Identities, New Genres 700-1700 - (New Course)**

Catalog Number: 62547 Enrollment: Limited to 27.

Daniel G. Donoghue

Half course (spring term). M., W., 1:30-3. EXAM GROUP: 6, 7

An introduction to major works in English literature from *Beowulf* through the seventeenth century, the course will explore various ways that new identities are created through the cultural forces that shape poets, genres, and group identity. We will hone close reading skills and introduce rhetorical tropes. Our study of the language will culminate in a new text of a Middle English play, which the class will produce and perform.

***English 41. Arrivals: Culture Wars 700-1700 - (New Course)**

Catalog Number: 74158 Enrollment: Limited to 27.

James Simpson

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12

Across the period 700-1700 the shapes of British culture were absorbed from different centers of Western Europe. These cultural forms are conflicted among themselves, and conflicted across time. This course will delineate the principal cultural forces (e.g. religious, political, social) that shaped England in particular. We will look to the ways in which those vibrant yet opposed forces find expression in the shape, or form, of literary works.



***English 42. Arrivals: Identity, Community, Nation, Canon 700-1700 - (New Course)**

Catalog Number: 10234 Enrollment: Limited to 27.

Nicholas Watson

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A study of central genres of Old English, Middle English, and Early Modern literature in tandem with the development of ideas of nation and community, with a special emphasis on poetic narratives. Key texts include *Beowulf*, *The Canterbury Tales*, *The Faerie Queene*, *Paradise Lost*, and *The Pilgrim's Progress*.

Note: Students will also attend one of two course sections on Wednesday afternoons (1-2 or 2-3).

***English 50. Poets: Ode, Elegy, Epigram, Fragment, Song - (New Course)**

Catalog Number: 23427 Enrollment: Limited to 27.

Stephen Louis Burt

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Forms, modes, and ways of thinking about lyric poetry and its competitors from the Romantic period up to our own; with examples from Wordsworth, Coleridge, Keats, Emily Brontë, Whitman, Dickinson, Stevens, Moore, Ashbery, Armantrout, and Muldoon.

***English 51. Poets: Ballads, Sonnets, Literary History, and Poetic Form - (New Course)**

Catalog Number: 80359 Enrollment: Limited to 27.

Peter Sacks

Half course (spring term). Tu., 2-4. EXAM GROUP: 16, 17

This course will study a range of ballads and sonnets from the Fourteenth to the Twenty-First Century. We will explore questions of poetic form and literary history within two of the most enduring yet continuously evolving kinds of poetry in English and in other languages.

***English 53. Poets: British Lyric Poetry - (New Course)**

Catalog Number: 98171 Enrollment: Limited to 27.

Helen Vendler

Half course (fall term). M., W., at 2. EXAM GROUP: 7

We will study sonnets by major writers and consider other lyric genres (the complaint, the emblem poem, the ode, the epistolary lyric, the nature poem, etc.).

English 54 (formerly English 150). Poets: English Romantic Poets

Catalog Number: 5274

James Engell

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Readings in Blake, Baillie, Coleridge, Clare, Wordsworth, Wollstonecraft, Byron, Shelley, Keats, and others. Lyric and narrative forms. Close aesthetic readings linked to thematic considerations. Social and political contexts. Romanticism as an artistic movement and cultural era.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

***English 60. Diffusions: Fictions of America - (New Course)**

Catalog Number: 65252 Enrollment: Limited to 27.



Elisa New

Half course (spring term). Tu., 1-3. EXAM GROUP: 15, 16

This course will treat "America" as it was imagined and re-imagined by successive waves of Europeans, Africans and their descendants, exploring how evolving fictions of America's purpose, changing notions of America's geography and conflicting ideas of American "character" informed the emerging literary tradition. From Thomas Morton through Nathaniel Hawthorne, Olaudah Equiano to William Faulkner, Boston to the Caribbean and Puritanism to Modernism, this course will range widely. Course meets for a third hour on Wednesdays in sections led by Elisa New and Raquel Kennon.

***English 61. Diffusions: Not on Native Grounds - (New Course)**

Catalog Number: 22636 Enrollment: Limited to 27.

Werner Sollors

Half course (fall term). Tu., 2-4 . EXAM GROUP: 16, 17

Readings in works by American authors that are set outside the United States. Crossing boundaries, culture shock, expatriate and exotic dreams and nightmares, distant mirrors and revelations about "home," linguistic and class disorientation, glimpses of cosmopolitanism, and other topics.

Note: Course meets for a third hour on Thursdays in sections led by Werner Sollors and Nicholas Donofrio.

***English 62. Diffusions: Castaways and Renegades - (New Course)**

Catalog Number: 37743 Enrollment: Limited to 27.

John Stauffer

Half course (spring term). W., 3-5pm. EXAM GROUP: 8, 9

This course traces the extraordinary rise of American literature from the nation's founding through the early twentieth century. Focusing on the "outsider," we examine how American literature gave definition to a culture that was distinct from Europe. Along the way we explore a number of themes: the dilemma of democratic ideals co-existing with slavery and oppression; women as symbols of America; and the relationship between domestic and national fictions. Authors include Irving, Douglass, Melville, Stowe, Whitman, James, Twain, Chesnut, Wharton, others.

***English 70. Shakespeares: Text, Performance, Film - (New Course)**

Catalog Number: 70662 Enrollment: Limited to 27.

Julie Peters

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Shakespeare in performance, film, and other media from the sixteenth century to the twenty-first. Focusing on five plays, we'll develop tools for the close reading of scene, image, action, expression, and camera work. Premises: that textual interpretation (reading rhetoric, narrative structure, character, symbolic subtext) is inseparable from performance interpretation, and that both are deepened by an understanding of literary and performance history. Lecture and discussion supplemented by workshop-type exercises (theatre history, adaptation, staging scenes, etc.)

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.



Undergraduate Seminars

These introductions to the specialized study of literature are restricted to undergraduates and have enrollments limited to 15. Preference is given to English concentrators.

***English 90aa. Myth and Literature - (New Course)**

Catalog Number: 56346 Enrollment: Limited to 15.

Joseph C. Harris

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Approaches to myth as related to religion, nation, and especially literature. Readings in comparative and anthropological mythology, including Dumézil, Eliade, Lévi-Strauss, Lincoln, and Puhvel; in primary mythological complexes drawn from the Near East, Scandinavia, Ireland, and the Baltic; and in literary and sociohistorical applications to modern anglophone texts.

***English 90ap. Theology, Aesthetics, and History: Protestantism in American Literature**

Catalog Number: 5850 Enrollment: Limited to 15.

Jason W. Stevens

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course will cover American texts from the Puritan settlement through the present, with emphasis on the twentieth century. We will explore the rapid growth of Protestantism into a cultural logic which has been variously revised, conserved, caricatured, repudiated, and resurrected over the course of the American past. Authors include Jonathan Edwards, William Ellery Channing, Hawthorne, Emerson, Catherine Sedgewick, Sherwood Anderson, Sinclair Lewis, H.L. Mencken, Flannery O'Connor, Marilynne Robinson, and James Baldwin.

***English 90at. The American Transcendentalists**

Catalog Number: 4748 Enrollment: Limited to 15.

Lawrence Buell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An intensive examination of the movement, with particular attention to its literary side and to major figures: Emerson, Thoreau, and Fuller. Some attention too will be paid to precursors and legacy, e.g. Wordsworth, Whitman, Dickinson, etc.

Note: Preference given to English concentrators.

***English 90bw. William Blake**

Catalog Number: 1287 Enrollment: Limited to 15.

Leo Damrosch

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An intensive study of the works of William Blake, both poetic and pictorial, with attention to significant predecessors (the Bible, Boehme, Milton) and to modern critical and theoretical modes of interpretation.

***English 90cw. Conrad and Woolf - (New Course)**

Catalog Number: 15644 Enrollment: Limited to 15.

Peter C. Nohrberg

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17



Major works by two modernist masters who pushed the frontiers of narrative form in startlingly original and often divergent directions. The philosophical and political implications of their novels will be a central preoccupation of our comparative approach.

***English 90ea. Elegies in English - (New Course)**

Catalog Number: 83064 Enrollment: Limited to 15.

Joanne van der Woude

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This course considers both formal highpoints and modern experiments in mourning poetry. We will look at motives for writing elegiac verse, such as poetic competition, personal trauma, and grief, while discussing how to depict absence and even trying to write our own poems. Readings take a thematic approach, studying elegies on animals, elegies on children etc., but also including elegiac novels, music, and film. Authors include Milton, Shelley, Hardy, Yeats, and Lowell.

***English 90f (formerly English 174f). Faulkner: The Major Works**

Catalog Number: 2652 Enrollment: Limited to 15.

Jason W. Stevens

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

William Faulkner may be the greatest American novelist of the 20th Century. This course examines his fiction in the contexts of modernism, Southern Gothic, naturalism, race relations, and religion. Texts will include *The Sound and the Fury*, *Absalom, Absalom!*, *Light in August*, *As I Lay Dying*, *Go Down Moses*, and the Snopes Trilogy.

***English 90hb. Four Shakespeare plays - (New Course)**

Catalog Number: 59051 Enrollment: Limited to 15.

Marc Shell

Half course (fall term). Tu., 1–3.

This is a survey course of Shakespeare plays.

***English 90hs. Satire: Augustan and Modern**

Catalog Number: 8795 Enrollment: Limited to 15.

Michael Shinagel

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of satire in poetry, prose fiction, and drama. Authors covered are Dryden, Swift, Pope, Johnson, Gay, Voltaire, Orwell, Brecht, Vonnegut, and West.

***English 90ka. The Brontës**

Catalog Number: 1097 Enrollment: Limited to 15.

Elaine Scarry

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Writings by Emily, Anne, and Charlotte Brontë, as well as the later novels and films their work inspired.

***English 90lv. Consciousness from Austen to Woolf**

Catalog Number: 3200 Enrollment: Limited to 15.

James Wood



Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A look at the complex ways in which writers represent their characters' thought in texts by Austen, Flaubert, James, Tolstoy, Chekhov, Giovanni Verga, and Woolf. More broadly, traces the development of stream-of-consciousness, from Austen's incipient mastery of free indirect style, through Flaubert's more sophisticated use of it, to Woolf's full-blown inner monologues, seeing this development as not merely a fact of English and American literature, but as a phenomenon of world literature and an element of our modernity.

***English 90op (formerly English 186c). On Reading Poetry**

Catalog Number: 5289 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). Tu., 1–3.

Explores what work poems undertake and what work they therefore ask of the reader. We examine one primary poem (by a different poet) each week. Two short papers and some supplementary reading required.

Note: Preference given to English concentrators. Freshmen and sophomores are encouraged to take this seminar. It is not open to students who have taken (or are taking) a creative writing workshop with Professor Graham.

***English 90ow. Oscar Wilde: Artist, Martyr, Celebrity**

Catalog Number: 4506 Enrollment: Limited to 15.

Matthew Kaiser

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

"I have nothing to declare," Wilde reputedly informed a U.S. customs agent in 1882, "except my genius." So began his famous tour of America. We will examine the plays, philosophical writings, poetry, journalism, literary criticism, and fiction of the nineteenth century's most flamboyant and playful writer. We also explore Wilde's life and legend, his literary influences, critics, and his rebirth in the twentieth century as a modern "gay martyr."

[*English 90pb. Dramatic Structure and Analysis]

Catalog Number: 4661 Enrollment: Limited to 15.

Robert Scanlan

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Introduces the Plot-Bead technique for analyzing and/or constructing artistic forms that are performance events. Several artworks, most of them plays, but some poems and one musical composition, are studied in detail in the light of depth action analysis and codification of the artifact's time-form in a plot-bead diagram. The roots of these analytical techniques (which have practical utility for artists) are Aristotelian, but are reflected in 21st-century practice.

Note: Expected to be given in 2010–11.

***English 90qb. 21st-Century American Poetry - (New Course)**

Catalog Number: 28046 Enrollment: Limited to 15.

Stephen Louis Burt

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Books by relatively new American Poets whose work rewards sustained attention, likely



including Angie Estes, Ange Mlinko, Terrance Hayes, Liz Waldner, Allan Peterson, Tracy Philpot, Jasper Bernes, D.A. Powell.

***English 90qc. Ibsen, Shaw, and Chekhov**

Catalog Number: 3194 Enrollment: Limited to 15.

Elizabeth Dyrud Lyman

Half course (spring term). M., 4–6. EXAM GROUP: 9

An in-depth look at the three most influential voices in dramatic literature at the birth of "The New Drama." Focuses on the plays themselves—their literary and dramatic innovations, their philosophical and cultural preoccupations, and the new stylistic and interpretative challenges they posed. By reading generously from varied moments in each artist's corpus, we'll deepen our understanding of the impact and rupture created by these giants of the modern stage.

***English 90qd. Philip Larkin unless John Ashbery**

Catalog Number: 0108 Enrollment: Limited to 15.

Philip J. Fisher

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Recent events within "air's other side" (Rilke). Poetic and counter-poetic language; syntax and its alternatives; form and the varieties of inform; sense and reticence; voice, personhood and their absence; poems, prose and intermediate possibilities. Major and representative works by both authors will be given close, imaginative, analytic attention.

***English 90qe. Pinter, Stoppard, Churchill, & Frayn**

Catalog Number: 9595 Enrollment: Limited to 15.

Elizabeth Dyrud Lyman

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An in-depth look at the four most influential British playwrights of the late twentieth century. Readings include generous selections of each author's plays, as well as novels, screenplays, journalism, and essays. Emphasis is on recurring themes that haunt these authors' works, and the innovative techniques they develop to convey them.

***English 90qf. Stevens and Pound - (New Course)**

Catalog Number: 98962 Enrollment: Limited to 15.

Leland P. de la Durantaye

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

The American poets Wallace Stevens and Ezra Pound have come to represent separate and distinctly ideas of poetry. The aim of this seminar is to arrive at a richer understanding of Modernist poetry through these singular exemplars.

***English 90qi. 20th-Century Irish Literature**

Catalog Number: 2661 Enrollment: Limited to 15.

Peter C. Nohnberg

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of plays, poetry, essays and fiction written from the beginning of the Irish Revival to the time of the Troubles in Northern Ireland. Authors include Synge, Yeats, Lady Gregory, Joyce, Beckett, O'Casey, Flann O'Brien, Friel, Trevor, and Heaney. Readings will focus on the



preoccupation of these writers with Irish history, myth, and the literary construction of a national identity.

***English 90qn. Navigating Ulysses**

Catalog Number: 8643 Enrollment: Limited to 15.

Peter C. Nohrberg

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

James Joyce's modernist epic supplemented by works of secondary criticism. Attention directed to formal aspects of this difficult work as well as to its thematic engagement with important issues of its time, including: Irish nationalism and British colonialism, feminism, and the rise of advertising and consumer culture.

***English 90go. T.S. Eliot - (New Course)**

Catalog Number: 28837 Enrollment: Limited to 15.

Peter Sacks

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This course will study the poetry of T.S. Eliot, while also attending to selections of his critical and dramatic writings.

***English 90sa. The Idea of a Theatre - (New Course)**

Catalog Number: 95466 Enrollment: Limited to 15.

Robert Scanlan

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

This seminar explores what theatre has meant, as a medium, throughout history, in any of its many cultural settings. Starting with the ancient Greeks (*Oedipus Rex*), we will study six major "theatres" and how each represented "the idea of a theatre" in its time and place. Terence's *Eunuchus*, several cantos from Dante's *Purgatorio*, Shakespeare's *Hamlet*, Racine's *Andromaque*, Wagner's *Tristan and Isolde*, Ibsen's *Rosmersholm*, and O'Neill's *Long Day's Journey Into Night* provide our focal moments.

[*English 90sb. Samuel Beckett's Plays and Prose]

Catalog Number: 3487 Enrollment: Limited to 15.

Robert Scanlan

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Studies systematically the arc of Samuel Beckett's literary career, with particular emphasis on Beckett's stage and video plays. The course proposes the idea of a "stable habitation for the Self" as one way of understanding both Beckett's thematic *matière* and his astonishing aesthetic innovations in three media: stage, page, and video screen. Video resources supplement reading and discussion of texts, and local productions of the plays are studied when available.

Note: Expected to be given in 2010–11.

***English 90te. Twisted Epic - (New Course)**

Catalog Number: 85642 Enrollment: Limited to 15.

Galena Eduardova Hashhozheva

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The Renaissance had a literary dream: the dream of a grand modern epic that would equal the



Iliad and the *Aeneid*. Yet in reality, narrative poetry of the sixteenth and seventeenth centuries was anything but a dutiful imitation of classical epic. English poets gave many a creative twist to the ancient genre: they perverted, mocked, curtailed, romanticized, and eroticized it. Authors include Marlowe, Shakespeare, Spenser, and Milton.

***English 90tv. Adventures with Robert Louis Stevenson - (New Course)**

Catalog Number: 71453 Enrollment: Limited to 15.

Matthew Kaiser

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The author of *Treasure Island*, *Kidnapped*, and *Dr. Jekyll and Mr Hyde*, Scottish novelist Robert Louis Stevenson was a prolific poet, essayist, travel writer, and master of the short story. Cut short by lung disease, his bohemian life was as adventurous and romantic as his fiction. Follow his meandering path from Edinburgh to France, from California to the South Pacific, where his literary interests turned anthropological, and where death was waiting.

***English 90wb. Jameses and Jamesians**

Catalog Number: 6768 Enrollment: Limited to 15.

Elisa New

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

First half of the course: Henry James: readings to include *The Portrait of a Lady*, *The Spoils of Poynton*, *The Turn of the Screw* and *The Golden Bowl* as well as representative shorter fictions. Second half of the course: William James, readings in *Pragmatism*, *The Will to Believe* and *Principles of Psychology* plus works by key modernist and pragmatist heirs, W.E.B. Du Bois, John Dewey, Robert Frost, Marianne Moore, Gertrude Stein, Ralph Ellison, Philip Roth.

***English 90xa. Crime and Law: Drama, Film, and Performance - (New Course)**

Catalog Number: 34247 Enrollment: Limited to 15.

Julie Peters

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Crime and law are at once paradigmatic subjects for film and drama and - often self-consciously - performance arts in themselves. Reflecting on the fraught relationship between real crime and law and their aesthetic representation, we'll look at how performance affects such substantive legal issues as murder and culpability, freedom of expression, torture, punishment, justice after atrocity. Legal cases and trial transcripts (Salem to Abu Ghraib), plays and films (*Merchant of Venice*, *Anatomy of a Murder*), etc.

***English 90xz. The Art of the Essay - (New Course)**

Catalog Number: 32333 Enrollment: Limited to 15.

Leland P. de la Durantaye

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

We will study famous essayists from Montaigne to Johnson, from Hazlitt to Emerson, from Guy Davenport to David Foster Wallace. We will study essays by writers more famous for their work in other genres such as Eliot, Pound, Stevens, and Nabokov, as well as ancient and modern masters in the genre. Students will be asked to try their hands at a diverse series of essay types.



***English 90zy. Literature After Race - (New Course)**

Catalog Number: 79441 Enrollment: Limited to 15.

Hua H. Hsu (Vassar)

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A survey of late twentieth century works by authors attempting to imagine identities "beyond" race and ethnicity. Possible authors include: Colson Whitehead, Chang-rae Lee, Walter Mosley, Nam Le, Junot Diaz, Monique Truong and Araki Yasusada.

***English 90zz. Mapping Identity - (New Course)**

Catalog Number: 12812 Enrollment: Limited to 15.

Hua H. Hsu (Vassar)

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

A consideration of how "space" mediates notions of identity. Possible authors include: Frederick Douglass, W.G. Sebald, Tayeb Salih, Junot Diaz and Jessica Hagedorn. We will also examine more theoretical works by Arendt, Jameson, Soja and the "radical cartography" movement.

Tutorials, for Undergraduates Only

***English 91r. Supervised Reading and Research**

Catalog Number: 1464

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses.

Note: A graded course. May not be taken more than twice and only once for concentration.

***English 98r. Tutorial—Junior Year**

Catalog Number: 3831

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 7, 8

Supervised small group tutorial in the study of literature in English.

Note: Limited to honors concentrators.

***English 99r. Tutorial—Senior Year**

Catalog Number: 3901

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual tutorial in an independent scholarly or critical subject.

Note: Two terms required of all thesis honors seniors. To enroll, students must submit for approval a Thesis Proposal.

Prerequisite: Satisfactory completion of one term of English 98r, completion of an undergraduate seminar (90-level) taken in the junior year or earlier, and faculty approval of proposed thesis topic.

For Undergraduates and Graduates



English 102f. Anglo-Saxon Language and Culture: Heroic Poetry and Heroic Legend - (New Course)

Catalog Number: 96921

Joseph C. Harris

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Introduction to the language and culture of England before 1066, with special attention to heroic poetry and its narrative and social foundations. By the end of the term we will have read a handful of the noblest poems in the English language, among them *The Wanderer* and *The Seafarer* and gained some insight into the so-called "heroic code" and its verbal products.

Note: Note: Fulfills the College language requirement and the English Department's Foreign Literature requirement if its continuation English 103 is also completed.

English 103d. Beowulf and Seamus Heaney - (New Course)

Catalog Number: 62498

Daniel G. Donoghue

Half course (spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Translations of excerpts from *Beowulf* will proceed in parallel with careful reading of Heaney's verse translation. Questions concerning translation theory will emerge from the comparison of in-class efforts with Heaney's and other versions. What is the relation between translation and interpretation? How does Heaney's *Beowulf* compare with the body of poetry he has produced over the decades? The course begins with a review of grammar.

Note: Fulfills the College language requirement and the English Department's Foreign Literature requirement.

Prerequisite: English 102e or equivalent.

English 104. Epic, romance, and saga: orality and literary history - (New Course)

Catalog Number: 41239

Joseph C. Harris

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Genre will be the tool of a (para)literary history of the major oral and oral derived narrative forms of Early Medieval Europe, but genre and orality/literacy must also be analyzed. Reading (in English translation) includes: *Hildebrandslied* and other heroic lays, *Beowulf*, selected *chansons de geste*, including *Roland*, the *Nibelungenlied* (in selections), *Waltharius*, romances and sagas on the Tristan theme, and among Icelandic sagas *Njals saga* and *Laxdoela saga*.

Concluding with the oral epic today: the *Karakalpak Edige*.

English 119. Magic, Carnival, Sacrament, and Other Theatrical Illusions: European Renaissance Drama and Spectacle - (New Course)

Catalog Number: 85769

Julie Peters

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Spectacle, make-believe, and other forms of alternative reality in the European Renaissance. Explores theatre as magical and spiritual practice; carnival, charivari, and everyday cross-dressing; beggary, prostitution, and other street improvisations; court masque, imperial pageant, and public torture as disciplinary technique; sacrament, conversion, and other forms of illusionism and self-transformation. Texts include films, visual images, theatrical documents,



festival books, *commedia dell'arte* scenarios, and plays by Shakespeare's greatest near-contemporaries (Machiavelli, Lope de Vega, Sor Juana, Molière, etc.).

English 121. Shakespeare After Hamlet

Catalog Number: 2100

Gordon Teskey

Half course (spring term). M., W., at 2. EXAM GROUP: 7

Written at the midpoint of Shakespeare's career (1600-01), *Hamlet* marks the culmination of an experiment in representing the inner life with remarkable human sympathy. *Hamlet* also marks the beginning, in the comedies as much as in the famous tragedies, *Othello*, *King Lear*, and *Macbeth*, of a new and disturbing interest in the human mysteries of sadism, power, eroticism and loss.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts A.

English 122. Love and Its Alterations in the Renaissance Imagination - (New Course)

Catalog Number: 49227

Galena Eduardova Hashhozheva

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

"Love is not love which alters when it alteration finds," wrote Shakespeare. Perhaps. Even so, the concept and the imagery of love underwent many alterations in Renaissance literature due to genre, to changing circumstances, and to changing morals. Looking back on the poetry of love in the Renaissance, it appears less like Shakespeare's image of unaltering constancy than it does like Spenser's allegorical tapestries showing the Olympian gods changed by lust into a thousand forms.

English 128. Theater, Dream, Shakespeare - (New Course)

Catalog Number: 82273

Marjorie Garber and Diane Paulus

Half course (fall term). Tu., 2–4; W., at 3. EXAM GROUP: 16, 17

This course considers theories of dream and theater from Shakespeare's time to the modern era. We will also read three Shakespearean dream plays - *A Midsummer Night's Dream*, *Macbeth*, and *The Winter's Tale* - in immediate conjunction with the ART fall season of productions based on those plays. We will ask how concepts like source, adaptation, translation, and performance function in theater as well as in dream, and examine how such concepts apply to Shakespeare.

Note: When taken for credit, this course fulfills the departmental Shakespeares Common Ground Course requirement. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding, or the Core area requirement for Literature and Arts A.

English 130. 17th-Century Poetry and Prose

Catalog Number: 4789

Barbara K. Lewalski

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13

Examines a wide range of poets and prose writers, men and women, in a cultural milieu (1600-1660) extraordinarily rich in literary achievement and intellectual ferment. Primary attention to



four major poets Donne, Jonson, Herbert, and Marvell and to the development of genres (love poetry, religious meditation, essay, others) for analyzing the literary self.

English 131. John Milton: An Introduction to His Life and Poetry

Catalog Number: 8005

Galena Eduardova Hashhozheva

Half course (fall term). M., W., at 1.

Milton held that a great poet "ought himself to be a true poem, that is, a composition, and pattern of the best and honorablest things." We will study Milton's active public life and literary work as a continuous, absorbing poem from the promising beginnings in his college years to the lofty verse of *Paradise Lost* and *Samson Agonistes* in his late years. Some attention will also be devoted to his polemical prose.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 141. The 18th-Century Novel

Catalog Number: 8683

Leo Damrosch

Half course (spring term). M., W., at 12. EXAM GROUP: 5

The rise of the novel, seen through eighteenth-century fiction by Defoe, Richardson, Fielding, Sterne, Radcliffe, and Jane Austen, plus films, paintings, and engravings, magazine articles, and excerpts from literary and social theory. Issues include genre (what differentiates novels from epics, romances, newspapers, correspondences, biography, pornography?), modernity (what was novel about the novel?), gender, reading, and pleasure. Lecture-discussion format.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 154. Literature and Sexuality

Catalog Number: 5928

Matthew Kaiser

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Over the last 300 years, "sexuality" has gradually displaced "soul," "mind," and "character" as the most essential and salient ingredient in modern subjectivity, as the "truth" of the self. How has Western literature grappled with, embraced, or stubbornly resisted the sexualization of subjectivity? From Freud to Foucault, *Venus in Furs* to *Story of O*, D. H. Lawrence to Dennis Cooper, we will map the uneasy alliance between--and intertwining histories of--literature and sexuality.

Note: This course, when taken for letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts A. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

English 156. Crime and Horror in Victorian Literature and Culture

Catalog Number: 4752

Matthew Kaiser

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14



The Victorian middle classes were both titillated and repelled by transgression and abnormality: from Jack the Ripper to the Elephant Man, from venereal disease to self-murder. In an era marked by unprecedented prosperity and widespread poverty, the Victorians aggressively policed-and clandestinely crossed-increasingly porous and unstable boundaries. Across a range of literary genres, we will map the nineteenth-century British obsession with crime and horror, with phenomena that rattle one's sense of self.

Note: This course, when taken for letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts C. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

English 157. The Classic Phase of the Novel

Catalog Number: 4786

Philip J. Fisher

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

A set of major works of art produced at the peak of the novel's centrality as a literary form: *Middlemarch*, *Madame Bovary*, *Anna Karenina*, *The Brothers Karamazov*, *Buddenbrooks*, *L'Assommoir*. Society, family, generational novels and the negations of crime and adultery; consciousness and the organization of narrative experience; the novel of ideas and scientific programs; realism, naturalism, aestheticism and the interruptions of the imaginary.

Note: Graduate Section. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding.

English 159. The Reflection of Reality: Novels of the 19th and 20th-Century

Catalog Number: 4598

Leland P. de la Durantaye

Half course (fall term). M., W., at 11. EXAM GROUP: 4

This course will focus on the reflection and refraction of reality in modern novels of the last century and a half. A number of famous novels will be carefully studied for their conception of reality, and the best means of conveying that reality to the reader. We will read novels by Flaubert, George Eliot, Henry James, Virginia Woolf, Thomas Mann, Samuel Beckett, Vladimir Nabokov, Philip Roth, and Ian McEwan.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts A.

English 160c. Modern British Fiction: Conrad to Beckett

Catalog Number: 7772

Peter C. Nohrnberg

Half course (spring term). M., W., at 11. EXAM GROUP: 4

A survey of major works of British fiction written in the first half of the twentieth century by Kipling, Conrad, Forster, Ford, West, Woolf, Joyce, Butts and Greene, among others. Topics include: innovations in narrative form and style, the representation of individual consciousness and identity, responses to imperialism, the Great War and mass culture.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.



English 165. Proust, Joyce, Woolf: Aestheticism and Modernism

Catalog Number: 1827

Philip J. Fisher

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Topics include: modernism; aesthetic experience; the life of art; the city; and novelistic form; the moment and memory within temporal experiences. Joyce, *Dubliners* and *Ulysses*; Proust, *Swann's Way*; and *Within a Budding Grove*; Woolf, *Mrs. Dalloway* and *To the Lighthouse*; Kawabata, *Snow Country*. Writings of Pater, Simmel, T.S. Eliot, and sections from *The Pillow Book* of Sei Shonagon.

Note: Graduate section offered. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core requirement for Literature and Arts A.

English 166x. The Postcolonial Classic

Catalog Number: 4236

Homi K. Bhabha

Half course (spring term). M., W., at 11. EXAM GROUP: 4

This lecture course explores the idea of a classic work in the postcolonial, global era. It surveys literary, cultural, and political works that illustrate the relationship between aesthetic values and questions of cultural citizenship. Works read may include Gandhi, Fanon, Sartre, Mandela, Rudyard Kipling, Joseph Conrad, James Baldwin, Toni Morrison, Nadine Gordimer, Salman Rushdie, V.S. Naipaul, John Coetzee.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 167. Stevens, Plath, Lowell - (New Course)

Catalog Number: 46649

Helen Vendler

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

How do poets form their style? An examination of the earliest and latest works of three poets comparing their awkward beginnings to their mature style and their endings.

English 168d. Postwar American and British Fiction

Catalog Number: 8250

James Wood

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Examines a range of works, including novels and stories by Saul Bellow, Philip Roth, Raymond Carver, Henry Green, Muriel Spark, Ian McEwan, Penelope Fitzgerald, and Martin Amis.

Attempts to situate these books in their larger historical traditions, while emphasizing that we are reading a living literature. Some of the selected authors may visit and address our class.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 173. Southern Literature and Culture in the United States

Catalog Number: 6162

John Stauffer and Jason W. Stevens



Half course (spring term). M., W., at 11. EXAM GROUP: 4

This interdisciplinary course examines the rich tradition of Southern literature and culture in the US from slavery to the present. We construe culture widely to mean the ways of life as represented by fiction, biography, poetry, cinema, music, theater, photography, historiography, and religion. At least since the antebellum period, the South has defined itself in a defensive and sometimes belligerent posture in relation to the US. We explore the South, as imagined by Southerners, and focus on how the art of this region functions ideologically, rhetorically, aesthetically, and religiously in order to imagine constructions of Southern and national identities.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief.

English 174. The Rhetoric of Abraham Lincoln - (New Course)

Catalog Number: 76863 Enrollment: Limited to 32.

David Zarefsky (Northwestern University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Critical examination of Lincoln's speeches and selected writings, from the 1838 Lyceum Address to the last public address in April 1865. Exploration of Lincoln's rhetorical principles and practices.

English 175. Great American Speeches and Speakers - (New Course)

Catalog Number: 25341 Enrollment: Limited to 50.

David Zarefsky (Northwestern University)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Critical Study of approximately 60-75 landmark texts selected from the history of the American public discourse, including texts of historical significance and texts that reveal exemplary rhetorical practices.

English 179. American Drama Since 1945 - (New Course)

Catalog Number: 43944

Robert Scanlan

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

A lecture course surveying the shifting socio-historical context of American playwriting after WWII. Playwrights covered include Lillian Hellman, Arthur Miller, Eugene O'Neill, Tennessee Williams, William Inge, Lorraine Hansberry, Edward Albee, Jean-Claude van Itallie, Arthur Kopit, Neil Simon, The Living Theater, David Mamet, Sam Shepard, David Rabe, Wendy Wasserstein, Beth Henley, Maria Irene Fornes, Eve Ensler, Tony Kushner, Chuck Mee, Paula Vogel, August Wilson, John Guare, Lynn Nottage, and many others.

English 180. Modern American Crime Narratives

Catalog Number: 4468

Jason W. Stevens

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

We will cover American crime narratives, emphasizing the hard-boiled and noir fiction that flourished between the Jazz Age and the Cold War as well as the police procedural and the true



crime novel. Popular texts will be approached as examples of craft art which have provided paradigms for major American authors, including Faulkner and Fitzgerald. Sources will include films such as *The Godfather*, *Blade Runner*, and *The Dark Knight*.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 181. Asian American Literature - (New Course)

Catalog Number: 64334

Hua H. Hsu (Vassar)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A survey of the literary works produced by Asians in the United States, from poetry carved on the walls of immigration detention centers and turn of the century travel literature to postmodern novels, experimental poetry and self-published manifestos. Possible authors include: Maxine Hong Kingston, Jessica Hagedorn, Chang-rae Lee, David Henry Hwang, Theresa Hak Kyung Cha, Nam Le and Adrian Tomine.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 182. Science Fiction

Catalog Number: 3189

Stephen Louis Burt

Half course (fall term). M., W., at 12. EXAM GROUP: 5

High points, innovations, and explorations in science fiction as a prose genre from the late 19th century to the present: likely readings include Mark Twain, H. G. Wells, Charlotte Perkins Gilman, Robert A. Heinlein, James Tiptree, Jr. (Alice Sheldon), Octavia Butler, William Gibson, Cordwainer Smith, Richard Powers, and more. (Not a course in television or film.)

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 187. Native American Literary Traditions

Catalog Number: 3570

Lisa T. Brooks

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the Native literatures of North America, focusing on the interpretation of oral traditions, political prose, fiction and poetry through indigenous cultural and historical frameworks. Includes a wide range of readings, from the Mayan *Popol Vuh* and the Haudenosaunee Great Law to the contemporary fiction of Erdrich, Silko, and Alexie. Features an interactive component, offering students the opportunity to learn through speakers and events that locate texts in particular social and geographic landscapes.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 188. Transnational Fiction - (New Course)

Catalog Number: 81023 Enrollment: Limited to 35.

Robert Nicholas Jose (University of Adelaide)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16



This course explores contemporary Anglophone fiction from or about Asia and the Pacific, including by Rohinton Mistry, J.M. Coetzee, Michelle de Kretser, Alexis Wright and Nam Le, with works in translation by Haruki Murakami, Yu Hua and Roberto Bolaño.

English 191. Asia-Pacific Conversations - (New Course)

Catalog Number: 55555

Robert Nicholas Jose (University of Adelaide)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Recent writing from or about Asia and the Pacific that engages creatively with questions of freedom and exile, self-transformation and social critique, indigeneity and human rights. Authors-from India, China, South Korea, New Zealand and Australia-include Aravind Adiga, Peter Carey, Shashi Deshpande, Gao Xingjian, Patricia Grace, Ha Jin, Ko Un, Les Murray and Alexis Wright. How does dialogue with their work change our understanding of the potential of literature in the contemporary world?

English 192. Political Theatre and the Structure of Drama - (New Course)

Catalog Number: 10566

Elaine Scarry

Half course (spring term). M., W., at 1. EXAM GROUP: 6

The estranged, didactic, intellectual theatre of Brecht, and the ritualistic, emergency theatre of Artaud serve as reference points for a range of American, English, and Continental plays. The unique part played by "consent" in theatrical experience. Emphasis on the structural features of drama: establishing or violating the boundary between audience and stage; merging or separating actor and character; expanding or destroying language. Readings include Brecht, O'Neill, Artaud, Genet, Pirandello, Beckett, and such earlier authors as Euripides and Shelley.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core requirement for Literature and Arts A.

English 193. An Introduction to 20th-Century Literary Theory

Catalog Number: 8913

Leland P. de la Durantaye

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

An introduction to 20th-century literary theory. We examine the principal trends in 20th-century literary criticism, including New Criticism, phenomenological criticism, psychoanalytical criticism, semiology, the Frankfurt school, French structuralist and post-structuralist thought, new historicism, and multiculturalism. Readings may include Auerbach, Adorno, Curtius, de Man, Derrida, Foucault, Spitzer, Gadamer, Frye, Eco, Freud, Lacan.

English 195x. Contemporary African American Literature

Catalog Number: 0098

Glenda R. Carpio

Half course (spring term). M., W., at 2; W., at 3; Th., at 1. EXAM GROUP: 7

Discussion of African American novels, plays and poetry produced since the 1960s. Among other topics, we will discuss the Black Arts Movement, the renaissance of black women authors in the 1970s, the rise of the neo-slave narrative, and black postmodern texts. Major authors will include but not be limited to Ishmael Reed, Charles Johnson, Toni Morrison, Samuel Delaney,



Adrienne Kennedy, Gwendolyn Brooks, Rita Dove, Suzan-Lori Parks, and Colson Whitehead.
Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Cross-Listed Courses

Aesthetic and Interpretive Understanding 12. Poetry in America

[Aesthetic and Interpretive Understanding 15 (formerly English 34). Elements of Rhetoric]

Aesthetic and Interpretive Understanding 37. Introduction to the Bible in the Humanities and the Arts - (New Course)

[African and African American Studies 116. Autobiography and Literary Imagination]

African and African American Studies 131. African-American Literature to the 1920s

***American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization**

***Freshman Seminar 33x. Complexity in Works of Art: Ulysses and Hamlet**

***History and Literature 90ac. The British & American Revolutions - (New Course)**

[*Humanities 10. An Introductory Humanities Colloquium]

***Literature 119. On Comparative Arts**

[Literature and Arts A-22. Poems, Poets, Poetry]

Literature and Arts A-64. American Literature and the American Environment

Literature and Arts A-72. The Enlightenment Invention of the Modern Self

[Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac]

[Literature and Arts A-88. Interracial Literature]

Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies

Visual and Environmental Studies 72. Sound Cinema

Primarily for Graduates

***English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar**

Catalog Number: 4547

James Simpson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Images find a very direct way into the depths of the psyche; they provoke both love and fear. Through literary texts, we examine the function of images from the fourteenth to the sixteenth centuries, in both erotic and religious traditions.

***English 209. Necessary Truths: William Langland, Julian of Norwich, and the Idea of Vernacular Learning: Graduate Seminar**

Catalog Number: 6160

Nicholas Watson

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A study of the intense debate over what the unlearned must know to be saved, and its impact on the rise of vernacular Christian writing. Focuses on *Piers Plowman*, and several shorter texts.

***English 228y. Milton and His Contemporaries: Literature in the Era of the English Revolution (1629-1674): Graduate Seminar**



Catalog Number: 1277

Barbara K. Lewalski

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Milton's poetry and prose, examined in relation to other texts that refract the experience and culture of the period: e.g., the poetry of Vaughan, Herrick, the Cavaliers, and Marvell; histories, sermons, political tracts, autobiography, biography.

***English 229. Sidney, Spenser and Milton's Continental Sources: Graduate Seminar - (New Course)**

Catalog Number: 16435

Gordon Teskey

Half course (fall term). Tu., 2–4.

Boiardo, Orlando Innamorato; Ariosto, Orlando Furioso; Tasso, Aminta and Gerusalemme Liberata; Montemajor, Diana; D'Urfé, L'Astrée; Camoes, Os Lusíadas. Works to be read in Renaissance translations where possible, with select passages from the original languages.

***English 241. The 18th-Century Novel: Graduate Seminar**

Catalog Number: 2896

Leo Damrosch

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Novels by Defoe, Richardson, Fielding, Sterne, Laclos, Walpole, Godwin, and Austen. Issues include genre (what was new about novels?), the representation of subjectivity, the paradoxes of "realism," didacticism and its subversion, and the significance of gender and class.

Note: Open to advanced undergraduates with permission of instructor.

***English 264x. Sensation and Moral Action in Thomas Hardy: Graduate Seminar**

Catalog Number: 2714

Elaine Scarry

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

Approaches Hardy's novels, stories, and narrative poems through the language of the senses (hearing, vision, touch) and through moral agency (philosophic essays on "luck" and "action").

Note: Open to upper-level undergraduates with permission of instructor.

***English 265. Hopkins: Graduate Seminar - (New Course)**

Catalog Number: 61756

Helen Vendler

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A study of Hopkins' works, primarily the poems, but with selections from the letters, journals, and sermons. Some reading in the poems of Keats, Tennyson, and the Rossettis, for purposes of influence and comparison.

***English 267. Wordsworth and Coleridge: Graduate Seminar - (New Course)**

Catalog Number: 11025

James Engell

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Their writings and relationships. Poetry and prose. Individual research and common discussion.



this research seminar assumes some prior study of these writers and their milieu.

Note: Open to qualified undergraduates.

***English 270a. Early Atlantic World: Graduate Seminar - (New Course)**

Catalog Number: 59793

Elisa New and Joanne van der Woude

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Readings from Britain, America, and the Caribbean focusing on ideas of race, revolution, and sentiment from the late 17th to early 19th century. Authors include Behn (Oroonoko), Equiano, Addison, Jefferson, Wheatley, and Rowson.

***English 272. 19th-Century American Fiction - (New Course)**

Catalog Number: 50145

Elisa New

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

The nineteenth century American literary career, with attention to the development of fictional modes (sketch, tale, romance, novel), exigencies of publication (the periodical press, transatlantic distribution networks) and evolving notions of fiction's place in American culture. Emphasis on Hawthorne, Melville and James but some attention to other authors.

***English 273. Permutations of Literary Regionalism: Graduate Seminar - (New Course)**

Catalog Number: 88552

Lawrence Buell

Half course (spring term). Th., 4–6.

Significant works (mostly fiction) and critical readings from/about regionalism's 19th century Anglo-American beginnings to the present. Special emphasis on U. S. writers but also on selected writers from the U. K. and the Anglophone diaspora.

***English 276x. African-American Literary Tradition: Graduate Seminar**

Catalog Number: 3536

Henry Louis Gates, Jr.

Half course (spring term). Tu., 12–2.

An exploration of the emergence and development of the African-American literary "tradition" from the 18th to the 20th century. Close reading of the canonical texts in the tradition, and their structural relationships are stressed.

***English 277xr. Multilingual Literatures of the United States: Graduate Seminar**

Catalog Number: 7685

Marc Shell

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Non-English literature of what is now the US: The historiographic and critical treatment of non-Anglophone texts, general theoretical problems of an ongoing multilingual American tradition, and recuperation and presentation of texts. Focus is on work with original source materials, on new research possibilities, and on translation theory.

Note: Visiting scholars will attend several sessions



***English 278. Postbellum/Pre-Harlem: Graduate Seminar - (New Course)**

Catalog Number: 38534

Glenda R. Carpio

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Close readings of major writers in the context of cultural history. We examine diverse genres—from slave narratives, novels and poems to plays, speeches and song lyrics.

***English 284. Theorizing the Transpacific: Graduate Seminar - (New Course)**

Catalog Number: 27919

Hua H. Hsu (Vassar)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

A survey of fiction and criticism dealing with the transpacific. The course draws from an array of mostly American and Chinese sources: nineteenth century travelogues, early twentieth century journalism, Christian conversion narratives, classics of the American canon, middlebrow bestsellers and modern Asian American writings.

***English 286b. William Carlos Williams: Graduate Seminar - (New Course)**

Catalog Number: 90056

Stephen Louis Burt

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

The democratic modernisms of William Carlos Williams, in several kinds of poetry and prose, from the late 1910s to the early 1960s, with some attention to his contemporaries and rivals.

***English 290d. The Senses, Emotion, and the Ethics of Reception: Theories of Drama, Theatre, Performance, and Media, Ancient to Contemporary: Graduate Seminar - (New Course)**

Catalog Number: 68699

Julie Peters

Half course (spring term). M., 5–7 p.m.

Dramatic theory as a window on the central concerns of literary and media theory (ancient to contemporary): the senses, emotion, character, identity, medium, verisimilitude, the body, the ethics of reception.

***English 291. Freud, Psychoanalysis and Literary Study: Graduate Seminar - (New Course)**

Catalog Number: 30751

Marjorie Garber

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The major writings of Sigmund Freud in English translation, together with relevant works of literature and culture. Additional readings from Lacan, Derrida, Kristeva, Irigaray, Butler, Žižek, and Edelman, among others. Psychoanalysis will be considered as a reading practice, a master narrative, an allegorical structure, a theatrical and cinematic mode, and a political intervention. Students will develop their own approach to Freud and psychoanalysis in a final seminar paper.

***English 293. Philosophy, Psychiatry and Literature: Seminar (Graduate Seminar in General Education) - (New Course)**



Catalog Number: 91179

Louis Menand and Alison Simmons

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An examination of issues at stake in contemporary psychiatry, including changing concepts of personality and identity; the medicalization of personality differences; mind/brain distinctions; genetic versus social-constructionist accounts of behavior; and the role of emotion and the unconscious in cognition and decision-making. Specifically, the course will explore how philosophy and literature can contribute to an understanding of these questions. The seminar will design and develop a General Education course on these themes for undergraduates.

[*English 297. Law and Humanities Colloquium] - (New Course)

Catalog Number: 49354

Julie Peters and Janet E. Halley (Law School)

Half course (spring term). M., 5–7 p.m. EXAM GROUP: 9

What is law and humanities scholarship? Guest speakers: scholars discuss their recent work with students and faculty. Additional sessions address canonical texts in legal theory, and concepts, theories, and methodologies of law and humanities scholarship.

Note: Expected to be given in 2010–11.

***English 298. Literary Theory in the Life of Literature: Graduate Seminar**

Catalog Number: 3464

Homi K. Bhabha

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Interactions between concepts central to literary theory - *genre* and ‘textuality’, writing and ‘difference’, ethics and interpretation, narrative and cultural translation - and literature embodying such concerns. Barthes, Habermas, Derrida, Lacan, Carey, Forster, Ghosh, Morrison, Rushdie, others.

***English 298b. Modernist Polemics: Graduate Seminar - (New Course)**

Catalog Number: 74949

Daniel Albright

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Modernism’s theories of itself-manifestoes, polemics, strident declarations, urbane repudiations of the old-fashioned-tested against Modernist practice, in literature, music, and painting. I welcome students from disparate graduate programs in the university.

Graduate Courses of Reading and Research

***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469, Joseph C. Harris 1089, James Simpson 4791, and Nicholas Watson 3851

Half course (throughout the year). Hours to be arranged.

The Conference focuses upon dissertations in progress and other research topics of mutual concern. Membership limited to faculty members teaching or conducting research in medieval English language and literature and to graduate students working in this field.



Note: Enrollment is open to all graduate students but is required of those who have been admitted to candidacy for the PhD and who intend to work on a medieval subject.

***English 302hf. Renaissance: Doctoral Conference**

Catalog Number: 2814

Marjorie Garber 7264, Stephen J. Greenblatt 3436, Barbara K. Lewalski 7450 (on leave spring term), and Gordon Teskey 4466

Half course (throughout the year). Alternate W., at 4:15.

The Conference focuses upon dissertations in progress and other research topics of mutual interest.

Note: Limited to faculty members teaching or conducting research in Renaissance literary studies and to graduate students working in the field. Enrollment is open to all such students, and is required of those who have been admitted to candidacy for the PhD and who intend to work on Renaissance topics.

***English 304hf. The Extended 18th-Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200, James Engell 8076, Leah Price 3501 (on leave 2009-10), and Michael Shinagel 7659

Half course (throughout the year). Hours to be arranged.

Focuses on dissertations, dissertations in progress, and research topics of mutual interest.

Note: Required of graduate students working, or intending to work, on the Restoration, 18th century, or Romanticism (the periods 1660–1830), and who have been admitted to candidacy for the PhD. Open to other students working on topics in Restoration and 18th-century literature.

***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Leah Price 3501 (on leave 2009-10)

Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Marjorie Garber 7264, Elizabeth Dyrud Lyman 4433 (on leave fall term), and Elaine Scarry 2206

Half course (throughout the year). Hours to be arranged.

Focuses on research topics related to dramatic literature, theatre, and performance. Open to all faculty members and graduate students teaching or conducting research in the field.

***English 310hfr. American Literature and Culture: Doctoral Conference**

Catalog Number: 6235

Lawrence Buell 2655, Elisa New 2428, and Werner Sollors 7424

Half course (throughout the year). Hours to be arranged.

Colloquium open to all graduate students working in the area of American literature and culture. Papers delivered by students writing seminar papers or dissertations, faculty members, and visiting scholars.



***English 350. Teaching Colloquium**

Catalog Number: 8208

Marjorie Garber 7264

Half course (fall term). M., 3-5 (biweekly).

The craft of teaching (discussion, lectures, tutorials, course descriptions, syllabi). This colloquium, designed for third-year graduate students, also considers issues related to the field exam, prospectus, and other aspects of advanced graduate study in English.

Note: Required of all third-year graduate students.

***English 397. Directed Study**

Catalog Number: 6588

Members of the Department

***English 398. Direction of Doctoral Dissertations**

Catalog Number: 5968

Daniel Albright 4615 (on leave spring term), Homi K. Bhabha 4100 (on leave fall term), Lawrence Buell 2655 (on leave 2008-09), Stephen Louis Burt 5945 (fall term only), Glenda R. Carpio 4408, Leo Damrosch 2200 (on leave fall term), Leland P. de la Durantaye 4457, Daniel G. Donoghue 1469, James Engell 8076, Philip J. Fisher 1470, Marjorie Garber 7264, Henry Louis Gates, Jr. 2899, Jorie Graham 2358 (on leave fall term), Stephen J. Greenblatt 3436, Joseph C. Harris 1089, Matthew Kaiser 5443 (fall term only), Barbara K. Lewalski 7450 (on leave spring term), Elizabeth D. Lyman 4433, Louis Menand 4752, Elisa New 2428, Peter C. Nohrnberg 4726, John M. Picker 3728, Leah Price 3501, Peter Sacks 2161 (on leave fall term), Elaine Scarry 2206 (on leave fall term), Marc Shell 3176 (on leave spring term), Michael Shinagel 7659, James Simpson 4791, Werner Sollors 7424 (on leave fall term), John Stauffer 1006, Jason W. Stevens 5406 (fall term only), Gordon Teskey 4466, Helen Vendler 7226 (on leave spring term), and Nicholas Watson 3851 (on leave 2008-09)

Note: Normally limited to students reading specifically in the field of a proposed doctoral dissertation. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

***English 399. Reading and Research**

Catalog Number: 1825

Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.



Environmental Science and Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Environmental Science and Public Policy

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies (*Chair (Acting)*)

James J. McCarthy, Professor of Biological Oceanography (*Chair (on leave 2009-10)*)

Michael J. Aziz, Gene and Tracy Sykes Professor of Materials and Energy Technologies

John Briscoe, Gordon McKay Professor of the Practice of Environmental Engineering in the School of Engineering and Applied Sciences and Professor of the Practice of Environmental Health (School of Public Health)

William C. Clark, Harvey Brooks Professor of International Science Public Policy and Human Development (*Kennedy School*)

Richard T. T. Forman, Professor of Advanced Environmental Studies in the Field of Landscape Ecology (*Design School*)

James K. Hammitt, Professor of Economics and Decision Sciences (*Public Health*)

Colleen M. Hansel, Assistant Professor of Environmental Microbiology

N. Michele Holbrook, Charles Bullard Professor of Forestry

Peter John Huybers, Assistant Professor of Earth and Planetary Sciences

Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies, John F. Kennedy School of Government

Jonathan Losos, Monique and Philip Lehner Professor for the Study of Latin America and Curator in Herpetology

Paul R. Moorcroft, Professor of Organismic and Evolutionary Biology

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics

Anne E. Pringle, Associate Professor of Organismic and Evolutionary Biology

Forest Lee Reinhardt, John D. Black Professor (*Business School*)

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering

Daniel P. Schrag, Sturgis Hooper Professor of Geology and Professor of Environmental Science and Engineering

John H. Shaw, Harvard College Professor, Harry C. Dudley Professor of Structural and Economic Geology

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Martin L. Weitzman, Professor of Economics

Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science

Richard J. Zeckhauser, Frank Plumpton Ramsey Professor Professor of Political Economy (*Kennedy School*)

The Environmental Science and Public Policy concentration is overseen by a Standing Committee functioning as a Board of Tutors including representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program.

The concentration is designed to provide a multidisciplinary introduction to current problems of



the environment. It is founded on the premise that the ability to form rational judgments concerning many of the complex challenges confronting society today involving the environment requires both an understanding of the underlying scientific and technical issues and an appreciation for the relevant economic, political, legal, historical, and ethical dimensions. It offers students an opportunity to specialize in a specific area of either natural or social science relating to the environment. All students have to satisfy a core of requirements in biology, chemistry, earth and planetary sciences, economics, government, and mathematics.

Primarily for Undergraduates

Environmental Science and Public Policy 10. Environmental Policy

Catalog Number: 6383 Enrollment: Limited to 40.

John Briscoe and Peter P. Rogers

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

This course develops the concepts and skills needed to design effective public policy for managing interactions between environmental, social and economic systems. The course is organized around cases of real-world policy analysis, some from the US and some involving developing countries. We will examine the environmental, social and economic substance of the cases, the interests of stakeholders, the policy and political processes, the ways in which trade-offs are perceived and evaluated, and the outcomes and impacts.

Note: Intended for interested students from all concentrations.

Environmental Science and Public Policy 78. Environmental Politics

Catalog Number: 3613

Sheila S. Jasanoff

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

An introduction to the history, organization, goals, and ideals of environmental protection in America. Examines the shift in emphasis from nature protection to pollution control to sustainability over the 20th century and develops critical tools to analyze changing conceptions of nature and the role of science in environmental policy formulation. Of central interest is the relationship between knowledge, uncertainty, and political or legal action. Theoretical approaches are combined with case studies of major episodes and controversies in environmental protection.

Note: Expected to be omitted in 2010–11.

Environmental Science and Public Policy 90. Junior Seminars

Enrollment in these seminars is limited, with preference given to Environmental Science and Public Policy concentrators in their junior year. One junior seminar fulfills the junior seminar requirement for Environmental Science and Public Policy concentrators.

***Environmental Science and Public Policy 90a. Energy, Technology, and the Environment: Seminar**

Catalog Number: 2189

Michael B. McElroy

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8



The seminar will provide an account of the technologies that shape our world with a perspective on how they evolved, the benefits that ensued and the environmental challenges that arose as a consequence. Topics include prospects for renewable energy and options to minimize damage from conventional sources of energy. Specific attention is directed to challenges faced by large developing economies emphasizing the need for a cooperative approach to ensure an equitable, environmentally sustainable, global future.

***Environmental Science and Public Policy 90c. Ecology and Land-Use Planning**

Catalog Number: 3792

Richard T. T. Forman (Design School)

Half course (spring term). T., 2-5:15, including a required one-week field study, and a one-day field study.

Investigation of how local and regional human activities such as housing, agriculture, water supply, and natural resource use can be arranged in the landscape so that environmental processes are not disrupted and ecosystems are maintained for the long term. The focus is on learning and applying spatial and ecological principles to land-use planning with the intention of regional biodiversity conservation, maintenance of water quality, and addressing other environmental issues.

[*Environmental Science and Public Policy 90d. Status of Environmental Justice as a Public Policy Issue]

Catalog Number: 5824

James S. Hoyte

Half course (spring term). W., 3–5.

Examines the influences of race, socioeconomic status, and interest group politics in the formulation and implementation of US federal and state environmental policy. Topics include the civil rights struggle and the environmental justice movement, role of race in environmental policymaking, residential and occupational exposure patterns of environmental pollution, racial diversity in the environmental movement, socioeconomic factors shaping the research agenda for environmental affairs, facilities siting and community impacts, and lead contamination as an environmental justice issue.

Note: Expected to be given in 2010–11. Offered jointly with the Kennedy School as IGA-336.

***Environmental Science and Public Policy 90e. Conservation Genetics**

Catalog Number: 6879

H. bradley Shaffer

Half course (fall term). W., 2:30–5:30.

Genetics, genomics, and conservation biology have a long and complex history of interaction. This course will examine the ways in which genome-enabled science can be used to guide effective conservation and management of endangered taxa. Using the primary literature and guest lecturers, we will review next-generation sequencing technology, followed by an exploration of how genomics can inform population biology to make more effective management decisions.

Note: Local field trips within New England to be arranged.



[*Environmental Science and Public Policy 90f. Global Change and Human Health]

Catalog Number: 4434

James J. McCarthy and Paul R. Epstein

Half course (spring term). Tu., 1–3:30.

Global consequences of increasing human population and our consumption of natural resources include extensive changes in many natural ecosystems and in the composition of Earth's atmosphere. In the last decade, geographic ranges of certain well known infectious diseases have expanded and new diseases have become threats to human health. This seminar explores hypothesized linkages between changes in ecosystems, climate, and the epidemiology of certain infectious diseases.

Note: Expected to be given in 2010–11.

***Environmental Science and Public Policy 90j. Environmental Crises and Population Flight**

Catalog Number: 9841

Jennifer Leaning (Public Health, Medical School)

Half course (fall term). Tu., 2–4.

War, disaster, drought, or famine force people to flee their land. The humanitarian consequences of this loss of place and livelihood are filled with complexity, relating to the extent and permanence of environmental destruction wrought by these crises, people's attachment to their homes and ecosystems, the circumstances of departure, the destinations of refuge, and the possibilities for return. These issues will be examined through case studies and review of literature on forced migration and calamity.

[*Environmental Science and Public Policy 90m. Climate Change Solutions]

Catalog Number: 0545

Daniel P. Schrag

Half course (spring term). W., 2–4.

Reducing the risk of catastrophe from future climate change requires dramatic reductions in global CO₂ emissions. This course explores the various strategies the world will employ to do this including increasing energy efficiency, expanding the use of non-fossil energy including renewables and nuclear power, and also carbon capture and storage from stationary sources of fossil fuel use. Students work in teams to develop pathways to clean energy deployment in various regions around the world.

Note: Expected to be given in 2010–11.

***Environmental Science and Public Policy 91r. Supervised Reading and Research**

Catalog Number: 1705

Michael B. McElroy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading and research on topics not covered by regular courses of instruction. Students must complete a registration form, including permission from their faculty sponsor, with the concentration office before course enrollment. A final paper describing the research/reading completed during the term is due in duplicate to the Head Tutor on the first day of reading period.

Note: Intended for junior and senior concentrators in Environmental Science and Public Policy;



open to sophomore concentrators only under exceptional circumstances. Permission of the Head Tutor is required for enrollment. May be counted for concentration only with the special permission of the Head Tutor.

***Environmental Science and Public Policy 99. Tutorial — Senior Year**

Catalog Number: 5666

Michael B. McElroy and members of the Committee

Full course. Hours to be arranged.

Senior honors candidates must take at least one term of this course (fall or spring) while writing a thesis. If taken for two terms, only one term can be counted toward meeting concentration requirements.

Ethical Reasoning

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Courses in Ethical Reasoning teach students to reason in a principled way about moral and political beliefs and practices, and to deliberate and assess claims for themselves about ethical issues. Students examine the competing conceptions and theories of ethical concepts such as the good life, obligation, rights, justice, and liberty with a focus on developing the ability to assess and weigh the reasons for and against adopting them to address concrete ethical dilemmas. Students in these courses may encounter a value system very different from their own that calls attention to their own ethical assumptions.

Ethical Reasoning

Ethical Reasoning 11. Human Rights: A Philosophical Introduction

Catalog Number: 6441

Mathias Risse (Harvard Kennedy School)

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
 What are human rights? Why would individuals have such rights? How can rights be universal, and what rights are universal? How can human rights rhetoric be criticized? This course will approach these and related questions philosophically, but with an eye to international politics.
Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Ethical Reasoning 12. Political Justice and Political Trials

Catalog Number: 5064

Charles S. Maier (History)



Half course (fall term). W., 2-4, and a weekly section to be arranged. EXAM GROUP: 7, 8
 Criminal trials have served throughout history to enforce revolutionary change, to impose conformity, or, alternatively, to advance democracy. Students examine trials in their historical and moral context to weigh such issues as who can prosecute; can crimes be defined after the fact; can punishing speech be justified? Cases include Socrates, Louis XVI, General Dyer, the Soviet purges, Nuremberg, Eichmann, American cold-war hearings, and today's international tribunals and truth commissions.

Note: Expected to be omitted in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Ethical Reasoning 20 (formerly Humanities 11). Self, Serenity, and Vulnerability: East and West

Catalog Number: 2401

Michael J. Puett (East Asian Languages and Civilizations) and Roberto Mangabeira Unger (Law School)

Half course (spring term). Th., 5-7 p.m. and a weekly section to be arranged. EXAM GROUP: 18
 This course is a comparative inquiry into certain forms of moral consciousness and their metaphysical assumptions in the high cultures of Eurasia. We organize discussion around a broad background concern as well as a focused foreground theme. The background concern is the meaning or meaninglessness of human life: comparison of some of the ways in which philosophy, religion, and art in the East and the West have dealt with the fear that our lives and the world itself may be meaningless. The foreground theme is the contrast between two answers to the question -- how should I live my life? One answer, valuing serenity achieved through disengagement from illusion and vain striving, is: stay out of trouble. Another answer, prizing the acceptance of vulnerability for the sake of self-construction and self-transformation is: look for trouble. The second answer has come to play a major part in the moral and political projects that command attention throughout the world today. We seek to understand this second answer and to assess it in the light of speculative ideas that have been prominent in Eastern and Western thought. Conversely, we use our chosen theme to explore how Eastern and Western speculation have dealt with the limits of insight into what matters most. To these ends, we consider exemplary writings from several traditions: Chinese, South Asian, ancient Greek, and modern European.

Note: Offered jointly with the Law School. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Ethical Reasoning 24. Bioethics - (New Course)

Catalog Number: 72195

Daniel I. Wikler (Public Health)

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Bioethics is the study of ethical issues arising in efforts to maintain and restore health, and, more broadly, with charting humankind's future in an era of both technological advances and unmet need. We will try to reason our way through moral dilemmas that pit health against freedom, prevention against rescue, and the claims of those with competing needs when life itself hangs in the balance. The course will emphasize ethical issues involving health that arise at the global and



population levels, particularly those involving peoples and regions with the greatest burden of disease.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Cross-listed courses that satisfy the Ethical Reasoning Requirement. Some of these courses may have prerequisites or assume familiarity with the subject matter.

[Government 10. Foundations of Political Theory]

[Government 1061. The History of Modern Political Philosophy](#)

[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]

[Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature]

[Moral Reasoning 22. Justice]

[Moral Reasoning 28. Ethics and International Relations]

[Moral Reasoning 33. Issues in Ethics](#)

[Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community](#)

[Moral Reasoning 54. “If There is No God, All is Permitted”: Theism and Moral Reasoning](#)

[Moral Reasoning 56. Self, Freedom, and Existence]

[Moral Reasoning 58. Slavery in Western Political Thought](#)

[Moral Reasoning 66. Moral Reasoning about Social Protest](#)

[Moral Reasoning 74. The Theory and Practice of Republican Government]

[Moral Reasoning 76. Comparative Religious Ethics](#)

[Moral Reasoning 78. Classical Chinese Ethical and Political Theory](#)

[Moral Reasoning 80. The Good Life In Classical India]

[Moral Reasoning 82. Trust, Vision, and Doubt in Ethics, Politics, and Law](#)

[Philosophy 168. Kant’s Ethical Theory](#)

[Philosophy 174. Recent Ethical Theory](#)

[Philosophy 178. Equality and Democracy](#)

[Philosophy 179. Race and Social Justice]

Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ethnic Studies

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*Chair*)

Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)



Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities
 Jacqueline Bhabha, Lecturer on Social Studies
 Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
 Vincent Brown, Dunwalke Associate Professor of American History
 Glenda R. Carpio, Professor of English and of African and African American Studies
 Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology, Associate Professor of Visual and Environmental Studies (*on leave fall term*)
 Joyce E. Chaplin, James Duncan Phillips Professor of Early American History
 Emma Dench, Professor of the Classics and of History
 Caroline M. Elkins, Professor of History
 William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology
 Deborah D. Foster, Senior Lecturer on Folklore and Mythology
 Jennifer L. Hochschild, Harvard College Professor, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies (*on leave fall term*)
 Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
 Stephen M. Kosslyn, John Lindsley Professor of Psychology in Memory of William James, Dean of Social Science
 Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies
 Matthew Joseph Liebmman, Assistant Professor of Anthropology
 Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*on leave 2009-10*)
 Michael J. Puett, Professor of Chinese History
 Fernando Miguel Reimers
 Edward Schumacher
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English
 Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African and African American Studies (*on leave 2009-10*)
 Rachel St. John, Associate Professor of History
 Ajantha Subramanian, Morris Kahn Associate Professor of Anthropology and of Social Sciences
 Kimberly Theidon, Associate Professor of Anthropology
 Joanne van der Woude, Assistant Professor of English and of History and Literature

Faculty members from across the disciplines and schools whose work focuses on ethnicity, migration, indigeneity, and human rights cooperate in this interdisciplinary committee to provide course enrichment for Harvard College students, particularly in Asian American/Transpacific, Native American/Indigenous, and US Latino/American hemispheric topics, with an American focus as well as a transnational one. Ethnic Studies courses address race critique in the social sciences and in the humanities, consider the role of mobility, diasporas and migration as well as of indigeneity in the configuration of group identities and power formations. An overarching concern is the study of the historical, political and cultural forms through which individuals inhabit the political space of the nation and of the transnational sphere, frequently in the wake of colonialism and displacements that have created stateless people. Bringing to bear the discourse of human rights, Ethnic Studies courses consider the ethics of responsibility that the university



must try to foster as it trains citizens and leaders to deal with the construction of political communities as well as the situation of those who are deprived of their legal status.

Ethnic studies are inherently comparative. Those who wish to understand the uniqueness of a particular people can do so most effectively by comparisons with other. Scholars and students seek to understand why the boundaries of particular ethnic groups change and why this process of ethnic group formation is so fluid. The study of ethnicity at Harvard is focused on the broad canvas of the human experience. While it includes the United States at its center, it is enriched by being situated in a broadly comparative and transnational context. Moreover, the focus of many courses is explicitly historical, making for a better understanding of the changing ways in which individuals choose to affiliate or have been coerced into categories by others.

General Education Courses in Ethnic Studies

[Aesthetic and Interpretive Understanding 17 \(formerly Literature and Arts B-78\). Soundscapes: Exploring Music in a Changing World](#)
[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures](#)
[United States in the World 24 \(formerly Sociology 19\). Reinventing Boston: The Changing American City](#)

Core Courses in Ethnic Studies

[Ethical Reasoning 11. Human Rights: A Philosophical Introduction](#)
[Literature and Arts A-48. Moral Imagination in Modern Jewish Literature](#)
[\[Social Analysis 54. American Society and Public Policy\]](#)

African and African American Studies

[African and African American Studies 10. Introduction to African American Studies](#)
[African and African American Studies 11. Introduction to African Studies](#)
[African and African American Studies 16. Sociology of the Black Community - \(New Course\)](#)
[African and African American Studies 20. Introduction to African Languages and Cultures](#)
[African and African American Studies 118. African American History from the Slave Trade to 1900](#)
[African and African American Studies 121. Please, Wake Up! - Race, Gender, Class and Ethnicity in the Early Films of Spike Lee](#)
[African and African American Studies 131. African-American Literature to the 1920s](#)
[African and African American Studies 133. Richard Wright and Zora Neale Hurston - \(New Course\)](#)
[African and African American Studies 147. Racial Identity, Politics, and Public Policy](#)
[African and African American Studies 161. Religion, Diaspora, and Migration: Seminar - \(New Course\)](#)



[African and African American Studies 193. Religion and Social Change in Black America](#)
[African and African American Studies 197. Poverty, Race, and Health](#)

Anthropology

[Anthropology 1080. North American Archaeology: Lost Tribes and Ancient Capitals of North America](#)
[Anthropology 1635. Human Rights and Social Justice]
[Anthropology 1815. Empire, Nation, Diaspora: Asians in the U.S. - \(New Course\)](#)
[Anthropology 1972. Reconceptualizing the U.S.-Mexico Border: Comparative and Global Perspectives - \(New Course\)](#)

Asian Studies

[Chinese Literature 132. Chinatowns]

English

[*English 61. Diffusions: Not on Native Grounds - \(New Course\)](#)
[*English 62. Diffusions: Castaways and Renegades - \(New Course\)](#)
[*English 90zy. Literature After Race - \(New Course\)](#)
[*English 90zz. Mapping Identity - \(New Course\)](#)
[English 181. Asian American Literature - \(New Course\)](#)
[English 187. Native American Literary Traditions](#)
[English 191. Asia-Pacific Conversations - \(New Course\)](#)
[*English 277xr. Multilingual Literatures of the United States: Graduate Seminar](#)
[*English 284. Theorizing the Transpacific: Graduate Seminar - \(New Course\)](#)

Government

[*Government 98hn. Immigrants, Citizenship, and the State - \(New Course\)](#)
[*Government 98nf. Fire and Ice? Border Politics and Governance of Immigration in Canada and the US - \(New Course\)](#)
[*Government 98zg \(formerly *Government 90zg\). Ethnic Politics and Conflict - \(New Course\)](#)
[Government 1118. Political Geography - \(New Course\)](#)
[Government 2576. Racial and Ethnic Politics in the United States](#)

History

[*History 74a \(formerly *History 1612\). African Diaspora in the Americas](#)
[*History 74e. North American Borderlands History](#)
[*History 74f. U.S. Environmental History](#)
[*History 74o. Colonial Lives - \(New Course\)](#)
[*History 74p. Afro-Asian Encounters - \(New Course\)](#)
[*History 76d. Asian and African Encounters with Empire - \(New Course\)](#)



[*History 84n. Visual Culture, Translation, and Indigeneity in the Great Lakes - \(New Course\)](#)

[*History 84p. Immigration and American Life - \(New Course\)](#)

[*History 87b \(formerly *History 1917\). Human Rights in Africa: An Historical Perspective](#)
[History 1437. Asian American History - \(New Course\)](#)

[History 1438. Comparative Race and Ethnicity in the U.S. - \(New Course\)](#)

[History 1441 \(formerly History 1641\). History of the US West](#)

[History 2464hf. Transnational America from Above and Below: Seminar - \(New Course\)](#)

History and Literature

[*History and Literature 90a. "The Golden State" as North, East, and West](#)

Literature and Comparative Literature

[Comparative Literature 248. American Multilingual Literature in a Transnational Context - \(New Course\)](#)

[Literature 153 \(formerly Comparative Literature 153\). Saul Bellow and the New York Intellectuals](#)

[Literature 163. Jewish Languages and Literature](#)

The Study of Religion

[Religion 16 \(formerly Religion 1004\). Religious Dimensions in Human Experience](#)

[Religion 1561. Religion and Society in America Today: Change and Continuity - \(New Course\)](#)

[\[*Religion 1820 \(formerly *Religion 1585\). Muslim Societies in South Asia: Religion, Culture, and Identity\]](#)

Romance Languages and Literatures

[Spanish 60. Spanish and the Community](#)

Social Studies

[*Social Studies 98jn. International Human Rights: The Challenge of Protecting Vulnerable Populations](#)

[*Social Studies 98jw. Citizenship Rights: Theory and Practice](#)

[*Social Studies 98la. Race, Space and Identity in the American City - \(New Course\)](#)

[*Social Studies 98lg. Islam in France, Germany, and the UK - \(New Course\)](#)

[*Social Studies 98li. Ethnic and Religious Conflict in East and South Asia - \(New Course\)](#)

[*Social Studies 98lk. International Migration: Critical Perspectives for the 21st Century - \(New Course\)](#)

Sociology



[*Sociology 98L. Race and Anti-Racism - \(New Course\)](#)

[Sociology 129. Education and Society](#)

[Sociology 139. Religion and Society]

[Sociology 248. Race, Politics, and Social Inequality: Seminar]

Visual and Environmental Studies

[*Visual and Environmental Studies 158r. Living Documentary: Studio Course](#)

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on European Studies

David Blackbourn, Coolidge Professor of History (*Chair*)

Pepper D. Culpepper, Associate Professor of Public Policy (*Kennedy School*)

Grzegorz Ekiert, Professor of Government (*on leave 2009-10*)

Niall Ferguson, Laurence A. Tisch Professor of History and Professor of Business

Administration (*FAS*), William Ziegler Professor of Business Administration (*Business School*)

Peter E. Gordon, Professor of History

Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)

Maya Jasanoff, Associate Professor of History

Mary D. Lewis, Associate Professor of History

Charles S. Maier, Leverett Saltonstall Professor of History

Judith Surkis, Associate Professor of History and of History and Literature

Daniel F. Ziblatt, Paul Sack Associate Professor of Political Economy

The Standing Committee on European Studies is the formal oversight body for the Minda de Gunzburg Center for European Studies. It is comprised of those permanent faculty members who have offices in the Center and selected other representatives of FAS and of other universities in the Boston area who remain active in the study and teaching of modern Europe.

For over thirty years, the Center for European Studies has offered an interdisciplinary program designed to enhance the knowledge and understanding of political, social, economic, and cultural developments in modern Europe. Its members' intellectual approaches encompass history, political science, political economy, anthropology, sociology and cultural studies. Its purview includes all the regions of Europe as well as the institutional structures within individual countries and the European Union. The Center funds undergraduate thesis travel, dissertation fellowships, and offers several post-doctoral fellowships. Its quarters in Busch Hall provide



office space for faculty, visiting scholars, and doctoral students on Europe. At the same time, the Center supports several study groups that maintain a schedule of seminars and presentations by visiting scholars and speakers from the world of public affairs and it organizes periodic conferences and workshops on European affairs. It maintains a program for the study of Germany and Europe initially funded by the Federal Republic of Germany and now supported by the Center's endowments. The Center is actively engaged in cooperation to advance European studies with other Harvard Faculties and Boston-area universities.

Expository Writing

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Writing and Speaking

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
 Noël Bisson (*Ex Officio*)
 Thomas R. Jehn (*Ex Officio*)
 Jeanne Follansbee Quinn, Lecturer on History and Literature
 Benjamin M. Friedman, William Joseph Maier Professor of Political Economy
 Smita Lahiri, Associate Professor of Anthropology
 Anne E. Monius, Professor of South Asian Religions (*Divinity School*)
 Ken Nakayama, Edgar Pierce Professor of Psychology
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
 Maria Polinsky, Professor of Linguistics

For Undergraduates Only

Expository Writing 20 fulfills the basic requirement in Expository Writing, a requirement for all undergraduates in their first year of residence. The Expository Writing Program also offers two elective courses, Expos 10 and Expos 50. No Expository Writing courses have midterm or final examinations. For additional information on Expository Writing courses, see www.fas.harvard.edu/~expos.

[Expository Writing 10. Introduction to Expository Writing](#)

Catalog Number: 6344 Enrollment: Limited to 10 students per section.

Members of the Department

Half course (fall term). Two 1-hour sessions weekly; see www.fas.harvard.edu/~expos for list of section meeting times.

A rigorous, intensive elective that helps students prepare for the demands of college writing. In small classes, students work closely with instructors on developing and organizing ideas,



analyzing sources, and writing clear, engaging essays. Students also meet frequently in individual conferences with instructors to discuss their work. Assignments are based on sources from a range of disciplines and genres.

Note: After taking Expository Writing 10, a student must pass Expository Writing 20 to meet the College's Expository Writing requirement.

Expository Writing 20. Expository Writing

Catalog Number: 5518 Enrollment: Limited to 15 students per section.

Members of the Department

Half course (fall term; repeated spring term). Two 1-hour sessions weekly; see www.fas.harvard.edu/~expos for list of section meeting times and topics.

An intensive seminar that aims to improve each student's ability to discover and reason about evidence through the medium of essays. Each section focuses on a particular theme or topic, described on the Expos Website. All sections give students practice in formulating questions, analyzing both primary and secondary sources and properly acknowledging them, supporting arguments with strong and detailed evidence, and shaping clear, lively essays. All sections emphasize revision.

Note: Students must pass one term of Expository Writing 20 to meet the College's Expository Writing requirement.

***Expository Writing 40. Public Speaking Practicum**

Catalog Number: 9155 Enrollment: Limited to 12.

Members of the Program

Half course (spring term). Hours to be arranged.

This course develops and strengthens the skills necessary for successful public speaking. Students learn strategies for impromptu speaking, preparing and delivering presentations, formulating and organizing persuasive arguments, cultivating critical thinking, engaging with an audience, using the voice and body, and building confidence in oral expression. Besides refining their skills, students receive training as public speaking tutors in preparation for serving as peer tutors for the Derek Bok Center's Program in Speaking and Learning.

Note: See www.fas.harvard.edu/~expos for admission information.

[*Expository Writing 50. Advanced Writing 50]

Catalog Number: 3819 Enrollment: Limited to 12.

Thomas R. Jehn

Half course (spring term). Hours to be arranged.

This course gives students the opportunity to write in multiple genres, both in on-line and in traditional forms, by engaging with the works of journalists, politicians, anthropologists, poets, neuroscientists, and other practitioners of writing.

Note: Expected to be given in 2010–11.



Film and Visual Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Standing Committee on Higher Degrees in Film and Visual Studies

Justin Weir, Professor of Slavic Languages and Literatures (*Chair (Acting)*)
D. N. Rodowick, Professor of Visual and Environmental Studies (*Chair*) (*on leave 2009-10*)
Giuliana Bruno, Professor of Visual and Environmental Studies
Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology, Associate Professor of Visual and Environmental Studies (*on leave fall term*)
Eileen Cheng-yin Chow, Associate Professor of Chinese Literary and Cultural Studies
Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies
Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies
Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures
Amie Siegel, Assistant Professor of Visual and Environmental Studies

Related Courses of Interest for Film and Visual Studies Graduate Program

[*Anthropology 2635. Image/Media/Publics: Seminar](#)

[*Anthropology 2836r. Sensory Ethnography II: Studio Course](#)

[Chinese Literature 225. Visual Evidence]

[*Comparative Literature 257. Trauma, Memory, and Creativity]

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

[German 244. Readings in German Film Theory]

[*History of Art and Architecture 277s. Circa 1970]

[History of Art and Architecture 279k. Seeing Spectatorship]

[Portuguese 151 (formerly Portuguese 251). Culture in Turmoil: Brazil in the 50s, 60s and 70s]

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930]

[Slavic 282 \(formerly Slavic 141\). Literature, Film, and Visual Art in Contemporary Russia](#)

[*Visual and Environmental Studies 220. The Animal Moment: The Visual and Verbal Animal (Graduate Seminar in General Education)]

[*Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History](#)

[*Visual and Environmental Studies 271. Proseminar in Film and Visual Studies: Theory](#)

[*Visual and Environmental Studies 285x \(formerly *Visual and Environmental Studies 185x\). Visual Fabrics: Film, Fashion and Material Culture: Seminar](#)

[*Visual and Environmental Studies 292r. Philosophy and Film: Seminar]

*Visual and Environmental Studies 301. Film Studies Workshop

*Visual and Environmental Studies 310. Reading and Research

*Visual and Environmental Studies 320. Directed Study



Folklore and Mythology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Standing Committee on Degrees in Folklore and Mythology

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology (*Chair*)

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology

Julie A. Buckler, Professor of Slavic Languages and Literatures

David F. Elmer, Assistant Professor of the Classics

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Studies*)

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Michael Herzfeld, Professor of Anthropology (*on leave spring term*)

Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages

Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures

Stephen A. Mitchell, Professor of Scandinavian and Folklore

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity School*)

Michael J. Puett, Professor of Chinese History

Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature

John Stauffer, Professor of English and of African and African American Studies

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Tutorials in Folklore and Mythology

Primarily for Undergraduates

Please note that Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology is required for the concentration.

[*Folklore and Mythology 90d. African Women Storytellers]

Catalog Number: 8479 Enrollment: Limited to 15.

Deborah D. Foster

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Reading (in translation) transcribed oral narratives, praise poems, autobiographies, plays and songs, in conjunction with historical and ethnographic sources, this seminar will attempt to understand the way in which (some) African women have shaped and been shaped by their



societies, nations, and families, how they envision their lives in relation to these social groupings, and how they express their experiences through these various performances.
Note: Expected to be given in 2010–11. Preference given to Folklore and Mythology and African and African American Studies Concentrators, and students pursuing a Secondary Field in Folklore and Mythology.

***Folklore and Mythology 90f. Conspiracy Theories, Rumor Panics, and Popular Culture**

Catalog Number: 6106 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (spring term). Th., 1-3. EXAM GROUP: 15, 16

Reviews American popular culture at the extremes in light of theories about 'scapegoats', rumor (or moral) panics, and Internet hoaxes. Probable case studies include conspiracies about 9/11, "blood for oil", the CBS National Guard hoax, the Kennedy assassination, the Apollo 11 moon landing, Area 51, SRA, and ZOG.

Folklore and Mythology 90h. Hero and Trickster - (New Course)

Catalog Number: 18681 Enrollment: Limited to 12. for undergraduates only.

Deborah D. Foster

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Human imagination has conjured two enduring mythic characters, which create habitable worlds for people in stories from cultures all over the world. Sometimes branded Hero, sometimes Trickster, these two share traits and antics, yet they seem to endorse fundamentally different values. This seminar examines both hero and trickster in several cultural contexts, comparing them with each other and with their correlates worldwide, primarily in oral traditions, but also where each has migrated to other media.

***Folklore and Mythology 91r. Supervised Reading and Research**

Catalog Number: 2425

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Instruction and direction of reading on material not treated in regular courses of instruction; special work on topics in folklore, mythology, and oral literature. Normally available only to concentrators in Folklore and Mythology.

Note: Applicants must consult the Chairman or the Head Tutor of the Committee. The signature of the Chairman or the Head Tutor is required.

***Folklore and Mythology 97 (formerly *Folklore and Mythology 97a). Fieldwork and Ethnography in Folklore**

Catalog Number: 3789 Enrollment: Limited to 12.

Deborah D. Foster

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Introduces concentrators to the study of traditions - their performance, collection, representation and interpretation. Both ethnographic and theoretical readings serve as the material for class discussion and the foundation for experimental fieldwork projects.

Note: Required of all, and limited to, concentrators.



***Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). History and Theory of Folklore Methodology**

Catalog Number: 5039 Enrollment: Limited to 12.

Joseph C. Harris

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The development of folklore and mythology as fields of study, with particular attention to the methodological approaches suited to their areas of enquiry. Surveys the study of folklore and mythology in the 19th and early 20th centuries, but focuses especially on theoretical contributions to the study of folklore, mythology, and oral literature in recent decades. Readings from Bauman, Bronner, Dundes, Georges, Lord, Oring, Propp, Tedlock, and Zumwalt among many others.

Note: Required of all, and limited to, concentrators.

***Folklore and Mythology 98b (formerly *Folklore and Mythology 98). Tutorial — Junior Year**

Catalog Number: 3685

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or Chairman of the Committee on Degrees in Folklore and Mythology required. Normally taken in the second term of the junior year.

***Folklore and Mythology 99. Tutorial — Senior Year**

Catalog Number: 3886

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Required of all concentrators. The signature of the Head Tutor or Chairman of the Committee on Degrees in Folklore and Mythology required. Graded Sat/Unsat.

Folklore and Mythology Courses

Please consult our cross-listings for other courses that may be counted for Folklore & Mythology concentration credit. In particular, Classical Studies 145. Mythology; *English 90aa. Myth and Literature; German 166. Storytelling and Enchantment: The Brothers Grimm and Hans Christian Andersen; and others taught by Folklore & Mythology committee members.

For Undergraduates and Graduates

[Folklore and Mythology 114. Embodied Expression/Expressive Body: Dance in Cultural Context]

Catalog Number: 7982 Enrollment: Limited to 16.

Deborah D. Foster

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

An examination of the ways in which the dancing body internalizes and communicates cultural knowledge to both dancer and observer. By participating in dance workshops, watching dance



performances (live and on film), and reading ethnographic and theoretical texts, we attempt to understand the emergent meaning of dance performances from multiple perspectives.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief and the Core area requirement for Literature and Arts B.

[Folklore and Mythology 126. Continuing Oral Tradition in Native American Literature]

Catalog Number: 9787

Lisa T. Brooks

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Rather than textual artifacts of a cultural past, Native American oral literatures are living traditions in particular landscapes, activities in which communities are engaged. Features trips to local Native places and close readings of recorded communal tellings and literary texts. Explores the role of oral traditions in Native American literature, emphasizing the intertextual and interdependent relationship between the oral and the written.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for either Foreign Cultures or Literature and Arts C, but not both Core areas. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Folklore and Mythology 172. Quilts and Quiltmaking - (New Course)

Catalog Number: 33788

Felicity A. Lufkin

Half course (fall term). Tu., 4–6.

Are quilts the great American (folk) art? From intricately stitched whole-cloth quilts, to the improvisational patchworks of Gee's Bend; from the graphic simplicity of Amish quilts to the cozy pastels of depression-era quilts; from the Aids Quilt to art quilts; quilts have taken on extraordinary significance in American culture. This class surveys the evolution of quilt-making as a social practice, considering the role of quilts in articulations of gender, ethnic, class and religious identities, and their positions within discourses of domesticity, technology, consumerism, and cultural hierarchy.

Folklore and Mythology 173. Handmade Objects and Their Makers - (New Course)

Catalog Number: 48895

Felicity A. Lufkin

Half course (spring term). W., 4–6. EXAM GROUP: 9

In the wake of the industrial revolution, John Ruskin argued for the social and moral value of handmade objects. The Arts and Crafts movement, the Bauhaus, and the Japanese Folk Craft movement were inspired in part by such ideas. And while popular or domestic practices of handmaking -- knitting, sewing, woodworking, etc. -- might seem quite separate from these movements, the current resurgence of handicrafts, fueled paradoxically by new medias and technologies, both echoes Ruskin's moral concerns and pushes at the boundaries separating high and low, art and craft. This seminar examines the historical, intellectual, and political influences on how handmade objects and the practices by which they are made are valued and experienced in the present day.



***Folklore and Mythology 191r. Supervised Reading and Research**

Catalog Number: 3255

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Cross-listed Courses

Aesthetic and Interpretive Understanding 27 (formerly Literature and Arts A-17).

Childhood: Its History, Philosophy, and Literature

Aesthetic and Interpretive Understanding 33 (formerly Classical Studies 154). Ancient

Fictions: The Ancient Novel in Context

African and African American Studies 187. African Religions

[Ancient Near East 90. History, Kingship, and the Gods in the Ancient Near East]

[Ancient Near East 102. Introduction to Mesopotamian Religion]

Ancient Near East 124. Myth and Myth-Making in the Biblical and Ancient Near Eastern World

[Anthropology 1630. Other People's Beliefs: The Anthropology of Religion]

Anthropology 1640. Language and Culture

Armenian 120. Armenian Magical Texts

Armenian Studies 100. Armenian Epic

[Celtic 137. Celtic Mythology]

Celtic 138. Narrative Traditions of Medieval Wales

Celtic 151. The Literature of Medieval Celtic Christianity

[Celtic 184. The *Táin*]

Celtic 188. Scottish Gaelic Poetry - (New Course)

Celtic 227. Seminar: Welsh Bardic Poetry

[Chinese Literature 132. Chinatowns]

Chinese Literature 150. Old Tales in New Media: The Appropriation of Folklore in Modern and Contemporary China

Classical Studies 146. Euripides' *Bakchai* and the Modern Reception of Dionysos from 1872 - (New Course)

[Culture and Belief 15. The Presence of the Past]

Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and

Cultural Studies: An Introduction to Folklore and Mythology

Culture and Belief 22. The Heroic and the Anti-Heroic in Classical Greek Civilization

Culture and Belief 35. Classical Mythology - (New Course)

Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism

***English 51. Poets: Ballads, Sonnets, Literary History, and Poetic Form - (New Course)**

***English 90aa. Myth and Literature - (New Course)**

English 104. Epic, romance, and saga: orality and literary history - (New Course)

[Foreign Cultures 74. Cultures of Southern Europe]

***Freshman Seminar 32v. The Art of Storytelling**

***Freshman Seminar 32w. African Musical Traditions**

***Freshman Seminar 33y. Odysseys**

***Freshman Seminar 49p. Peter Pan, J. M. Barrie, and the Literary Culture of Childhood**



[German 166. Storytelling and Enchantment: The Brothers Grimm and Hans Christian Andersen - \(New Course\)](#)

[*History and Literature 90q. Performing America - \(New Course\)](#)

[Indian Studies 207a. Understanding Indian Ritual]

[Indian Studies 207b. Understanding Indian Ritual]

[Indian Studies 219. Introduction to World Mythology]

[Italian 141. Renaissance Epic](#)

[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]

[Japanese History 126. Shinto: Conference Course]

[Jewish Studies 104. Introduction to Yiddish Culture](#)

[Literature 102. On Narrative]

[*Literature 121. 1001 Nights: Adaptations, Transformations and Translations](#)

[Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

[Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture]

[Literature and Arts A-67. Poetry and Power: The Celtic Bard]

[Literature and Arts C-20. The Hero of Irish Myth and Saga](#)

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'](#)

[Medieval Greek 125. Byzantine Religious Tales]

[Medieval Latin 105 \(formerly Medieval Latin 205\). The Waltharius](#)

[Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature]

[Music 208r. Ethnomusicology: Seminar](#)

[Music 209r. Ethnomusicology: Seminar]

[Religion 17. Myth in History: An Introduction to Religion and to the Study of Religion]

[Religion 1001. Religion and Ethnography]

[Religion 1012a. Dreams and the Dreaming](#)

[Religion 1012b. Dreams and the Dreaming](#)

[*Religion 1024. Tomb, Relic, and Transcendence: Seminar](#)

[Religion 1060. Hindu Goddesses and the Virgin Mary](#)

[Religion 1702. The Buddha in Myth, Image, and Ritual](#)

[Scandinavian 150 (formerly Scandinavian 80). The Vikings and the Nordic Heroic Tradition]

[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy](#)

[Scandinavian 160br \(formerly Scandinavian 160b\). Old Norse Language, Literature, and Culture: Mythology](#)

[Studies of Women, Gender, and Sexuality 1154. I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s](#)

[Sumerian 141. Sumerian Myths and Epics]

[*Visual and Environmental Studies 167. Adventure and Fantasy Simulation, 1871-2036: Seminar](#)



Germanic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Germanic Languages and Literatures

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures
(Chair)

Peter J. Burgard, Professor of German (*Director of Graduate Studies, fall term*) (*on leave spring term*)

Ursula Lindqvist, Preceptor in Scandinavian

Charles P. Lutcavage, Senior Preceptor in German

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Director of Undergraduate Studies, Scandinavian*)

Lisa Caroline Parkes, Senior Preceptor in German

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature
(*Director of Graduate Studies, spring term*) (*on leave fall term*)

Oliver Simons, Assistant Professor of Germanic Languages and Literatures

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology

Markus Wilczek, Assistant Professor of Germanic Languages and Literatures (*Director of Undergraduate Studies, German*)

Other Faculty Offering Instruction in the Department of Germanic Languages and Literatures

Karl S. Guthke, Kuno Francke Research Professor of German Art and Culture

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

For more information on the Department, please visit www.fas.harvard.edu/~german.

German

Primarily for Undergraduates

The placement test in German is offered during Freshman Week and during Interession.

[German A. Beginning German](#)



Catalog Number: 4294

Lisa Parkes and Members of the Department

Full course (indivisible). M. through Th., sections at 9, 10, or 11. EXAM GROUP: 2, 11

An introduction to German language and culture designed for students with little or no knowledge of the language. Encompasses all four skills: speaking, listening, reading, and writing. Class sessions emphasize the development of oral proficiency. Instruction is supplemented by literary and non-literary texts, videos, and Internet activities.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree; there are no exceptions to this rule. May not be taken Pass/Fail. Not open to auditors.

German Ax (formerly German S). German for Reading Knowledge

Catalog Number: 7177

Charles P. Lutcavage

Half course (fall term; repeated spring term). M., W., 4-5:30. EXAM GROUP: 9

Development of reading proficiency for students with little or no knowledge of German. Emphasizes translation of academic German prose into English.

Note: Not open to auditors.

German Bab. Beginning German (Intensive)

Catalog Number: 8629

Lisa Parkes and Members of the Department

Full course (fall term; repeated spring term). Fall: M. through F., 9 and an additional hour to be arranged. Spring: M. through F., 9 or 12 and an additional hour to be arranged. EXAM GROUP: 2, 11

A complete first-year course in one term for students with no knowledge of German. Provides an introduction to German language and culture encompassing all four skills: speaking, listening, reading, and writing. Class sessions emphasize the development of oral proficiency. Instruction is supplemented by literary and non-literary texts, videos, and Internet activities.

Note: May not be taken Pass/Fail. Not open to auditors.

German Ca (formerly German Da). Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Lisa Parkes and Members of the Department

Half course (fall term). M., W., F., sections at 9 or 11 and an additional hour to be arranged. . EXAM GROUP: 2

Aims at enhancing students' proficiency in all four skills, with special emphasis on speaking/discussion. The course also offers a thorough grammar review. Course materials consist of literary and non-literary texts and films that address a broad range of cultural topics.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

German Cb (formerly German Db). Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Lisa Parkes and Members of the Department

Half course (fall term; repeated spring term). Fall term: M., W., F., at 9 and an additional hour



to be arranged. Spring term: M., Tu., W., Th., at 9 or 12. EXAM GROUP: Fall: 2; Spring: 2, 11
Continuation of German Ca. Discussion materials include literary and non-literary texts and film. Emphasis on speaking proficiency and on strengthening writing skills. Course includes a review of selected grammatical structures and exercises in vocabulary building.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German Ca or permission of the instructor.

German Dab. Intermediate German (Intensive): Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 1351

Lisa Parkes and Members of the Department

Full course (spring term). M., W., F., at 12, Tu., Th., 1-3. EXAM GROUP: 5

A complete second-year course in one term for students with a basic knowledge of German. Focuses on enhancing students' proficiency in all four skill areas with special emphasis on speaking/discussion. Extensive vocabulary-building exercises, a thorough grammar review, and an introduction to various cultural topics of the German-speaking countries through the use of literary and non-literary texts, Internet, multimedia resources, and film.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German A, German Bab, a score of 450 or above on the Harvard placement test, or permission of the instructor.

German 61. Advanced Grammar and Reading

Catalog Number: 5179

Peter J. Burgard

Half course (fall term). Tu., Th., 8:30-10 or 10-11:30. EXAM GROUP: 10, 11

Advanced instruction in German through systematic study of the rules of grammar, their nuances, and their exceptions. Application of this knowledge through grammatical analyses and readings of short selections from sophisticated texts (e.g., Goethe, Kant, Kleist, Heine, Marx, Nietzsche, Kafka, Mann) prepares students for courses and academic work requiring advanced German reading comprehension. Further application through writing exercises.

Note: Conducted in German. Not open to auditors.

Prerequisite: German C, equivalent preparation, or permission of the instructor.

German 62. Advanced Conversation and Composition

Catalog Number: 2201

Markus Wilczek

Half course (spring term). T., Th., 10-11:30. . EXAM GROUP: 12, 13

Through composition and conversation workshops, the course advances the reading, writing, speaking, and listening skills of students. Readings and screenings include works by Rainald Goetz, Christian Kracht, Florian Illies, Feridun Zaimoglu, René Pollesch, Thomas Meinecke, Christoph Schlingensief, and Sibylle Berg. This course explores the potential of "pop" to move beyond apolitical consumerism and to engage critically with issues such as intercultural and gender relations, cyber-reality, globalism, terrorism, xenophobia, and, last not least, the apocalypse.

Note: Readings and discussions in German.

Prerequisite: German 61, equivalent preparation, or permission of the instructor.



German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Communication, reading, and writing skills for a business environment. Attention to grammar and specialized vocabulary, as well as cultural and political issues relevant to conducting business in German-speaking countries. Writing practice includes business correspondence and job applications. Supplemented by articles from the German-language press, the Internet, and videos.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German Cb, equivalent preparation, or permission of the instructor.

German 66 (formerly German 68). Deutschland und Europa

Catalog Number: 6537

Charles P. Lutcavage

Half course (spring term). M., W., F., at 11 and 12. EXAM GROUP: 5

An advanced language course focusing on current events in Germany and the European Union. Readings, discussions, and projects based on a variety of contemporary political, social, economic, and cultural topics. Materials from various sources, including the German-language press, the Internet, videos, and television news.

Note: Conducted in German. May not be taken Pass/Fail. Not open to auditors.

Prerequisite: German 61, German 62, German 65, or permission of the instructor.

German 71 (formerly German 50a). German Literature from Goethe to Nietzsche

Catalog Number: 3213

Markus Wilczek

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Through close readings of central texts from the Age of Goethe to the late 19th century, this course introduces students to key concepts of literary analysis. Readings include Goethe, Schiller, Kleist, Hoffmann, Büchner, Heine, Droste-Hülshoff, Keller, Fontane, Hauptmann, and Nietzsche.

Note: Readings and discussions in German. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: Equivalent preparation or permission of the instructor.

German 72 (formerly German 50b). German Literature from Kafka to Jelinek

Catalog Number: 5412

Oliver Simons

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The course focuses on central texts in 20th-century German literature. Key authors are read in pairs: for example, Arthur Schnitzler and Hugo von Hofmannsthal, Alfred Döblin and Franz Kafka, Paul Celan and Ingeborg Bachmann. The course provides an historical overview, sharpens German reading skills, and introduces basic concepts in literary analysis.

Note: Readings and discussions in German. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



Prerequisite: Equivalent preparation or permission of the instructor. German 71 is not a prerequisite for 72.

***German 91r. Supervised Reading and Research**

Catalog Number: 1059

Markus Wilczek and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Director of Undergraduate Studies is required.

***German 99. Tutorial — Senior Year**

Catalog Number: 3286

Markus Wilczek and members of the Department

Full course. Hours to be arranged.

Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Director of Undergraduate Studies is required.

Cross-listed Courses

Culture and Belief 16 (formerly Folklore and Mythology 100). Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology

***Freshman Seminar 49p. Peter Pan, J. M. Barrie, and the Literary Culture of Childhood Yiddish A. Elementary Yiddish**

For Undergraduates and Graduates

[German 120. Age of Goethe]

Catalog Number: 3797

Peter J. Burgard

Half course (spring term). M., 2–4.

Major movements in German literature and thought from the mid-18th to early 19th century: Enlightenment, Sentimentalism, Storm and Stress, Classicism, Romanticism. Readings include Mendelssohn, Kant, Klopstock, Lessing, Goethe, Lenz, Schiller, Hölderlin, Kleist, Schlegel, Novalis.

Note: Expected to be given in 2011–12. Expected to be omitted in 2009–10. Readings in German, discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century

Catalog Number: 4720

Oliver Simons

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Tragedies aim to stimulate the spectator's passion and sympathy. How precisely do they achieve that goal? Through close readings, the course contextualizes the tragedies of such authors as Lessing, Goethe, Kleist, Büchner, Hebbel, Wedekind, and Hofmannsthal within major literary



movements and the theoretical reflections of Nietzsche and Benjamin.

Note: Readings and discussions in German.

German 142. Writing to the Point: Short Forms - (New Course)

Catalog Number: 96052

Markus Wilczek

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course examines ‘brevity’ in aphoristic writings, fragments, and short prose pieces from the Enlightenment to the twentieth century. Readings include Lichtenberg, Goethe, Friedrich Schlegel, Novalis, Nietzsche, Robert Walser, Benn, and Adorno.

Note: Readings and discussions in German. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[German 147. Nietzsche]

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). Hours to be arranged.

Readings and discussions of Nietzsche’s major works (in translation), including *The Birth of Tragedy*, *Untimely Meditations*, *Human, All Too Human*, *The Gay Science*, *Thus Spoke Zarathustra*, *Beyond Good and Evil*, *The Genealogy of Morals*, *Twilight of the Idols*, *The Antichrist*, and *Ecce Homo*.

Note: Expected to be given in 2010–11. No knowledge of German required. All readings and discussions in English.

[German 151. Franz Kafka: Modernity and Its Discontents]

Catalog Number: 0169

Judith Ryan

Half course (fall term). Hours to be arranged.

Close readings of Kafka’s novels and stories. Kafka’s development of his characteristic narrative modes, the relation of his works to the cultural context in which they originated, the function of humor and parody in his works, and the challenges his texts pose for readers.

Note: Expected to be given in 2011–12. No knowledge of German required. Readings and discussions in English; German concentrators read texts in the original language. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[German 162. Gender Theory and Narrative Fiction]

Catalog Number: 4774

Oliver Simons

Half course (spring term). Hours to be arranged.

Focusing on such topics as the representation of femininity, the (im)possibility of feminine writing, and literature and the body, the course examines the gender theories of Irigaray, Cixous, Kristeva, Butler, Felman, and others and applies them to 18th- and 19th-century German writers, including Fontane, Musil, Bachmann, and Jelinek.

Note: Expected to be given in 2010–11. Readings and discussions in English; German concentrators read texts in the original language.



German 166. Storytelling and Enchantment: The Brothers Grimm and Hans Christian Andersen - (New Course)

Catalog Number: 29423

Maria Tatar

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Investigates the folk tales collected by the Brothers Grimm and the literary fairy tales and novellas of Hans Christian Andersen. We will consider the origins of the tales, analyze their staying power, and explore their global reach.

Note: Readings and discussion in English, with occasional extra sessions for those with a reading knowledge of German and/or Danish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[German 170. Before Modernity]

Catalog Number: 3102

Markus Wilczek

Half course (spring term). Hours to be arranged.

While both Georg Büchner and Adalbert Stifter have been acknowledged as modernists avant la lettre, their work could hardly be more different. Through a comparison of Büchner's and Stifter's treatment of themes such as history, nature, violence, and the body as well as a comparison of their stylistic peculiarities (i.e., caesuras and repetition), this course examines two seemingly irreconcilable traditions in the formulation of modernity.

Note: Expected to be given in 2010–11. Readings and discussions in German.

German 181. Heinrich von Kleist or the End of the 18th Century - (New Course)

Catalog Number: 82859

Oliver Simons

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Heinrich von Kleist, one of the most prominent authors around 1800, was a critical reader of his own time; his work marked a turning point in literary history. Through close readings we will analyze the innovative and unique poetic forms of his major works with regard to literary movements of his time, in particular Weimar Classicism and Romanticism.

Note: Conducted in German.

German 182. German Music in Culture and Politics - (New Course)

Catalog Number: 95593

Lisa Caroline Parkes

Half course (spring term). M., W., 4–5:30. EXAM GROUP: 9

Introduction to the relationship between 'German' music, history, society and politics from 1800 to present. By analyzing texted (vocal) music, this course revisits important and often controversial moments in German musical history, and traces the lives and afterlives of composers' works in political and cultural history. Linguistic and musical analysis of various genres, including the Lied, folk song, the choral symphony, opera, cabaret, and modern popular music.

Note: Reading and listening in German and English; discussion in German. An ability to read musical notation is not required.



[German 186. German Poetry: Innovation and Experiment]

Catalog Number: 8548

Judith Ryan

Half course (spring term). Hours to be arranged.

Explores the interplay between innovation and tradition in German poetry from 1770 to the present. Topics treated include originality and authenticity, difficulty and hermeticism, and poetic responses to crisis. Authors include Goethe, Hölderlin, Heine, Mörike, Rilke, Trakl, Benn, Bobrowski, and Celan.

Note: Expected to be given in 2010–11. Readings in German, discussions in English.

[German 187. The Sacred and the Secular in German Poetry]

Catalog Number: 7262

Judith Ryan

Half course (fall term). Hours to be arranged.

Reaching back to the psalmist David and the mythic figures of Apollo and Orpheus, German lyric poets have invoked the sacred, mourned its disappearance, and expressed skepticism about its relevance to the modern world. The course traces these themes in such poets as Luther, Gerhardt, Novalis, Hölderlin, Brentano, Rilke, Trakl, and Celan.

Note: Expected to be given in 2011–12. Readings in German, discussions in English.

Cross-listed Courses

[Aesthetic and Interpretive Understanding 27 \(formerly Literature and Arts A-17\).](#)

[Childhood: Its History, Philosophy, and Literature](#)

[*Folklore and Mythology 90f. Conspiracy Theories, Rumor Panics, and Popular Culture](#)

[Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich](#)

[*History 72g \(formerly *History 1491\). Religion and Popular Culture in 19th-Century Europe](#)

[*History 82b \(formerly *History 1446\). Fin-de-Siècle Vienna](#)

[\[*History 82e \(formerly *History 1490\). Max Weber in His Time\]](#)

[*History 83d \(formerly *History 1479\). Intellectuals and Auschwitz](#)

[\[History 1266 \(formerly History 1456\). Central Europe, 1789-1918: Empires, Nations, States\]](#)

[*History and Literature 90w. Europe and Africa: Colonial and Postcolonial Encounters - \(New Course\)](#)

[*History and Literature 90y. London - Paris - Berlin - St. Petersburg: Capital Cities in Europe's Long Nineteenth Century - \(New Course\)](#)

Primarily for Graduates

[German 210 (formerly German 110). Baroque]

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Hours to be arranged.

Examines the literature of the German Baroque and the art of the European Baroque. Focuses on questions of systems, identity, and excess in poetry, drama, narrative, architecture, painting, and



sculpture.

Note: Expected to be given in 2010–11. Readings in German, discussions in English.

[German 226r. Theories of Literature: Proseminar]

Catalog Number: 1364

Markus Wilczek

Half course (fall term). Hours to be arranged.

A survey of classical and current contributions to the theory of literature, this course examines the relationship between the practice of reading and the theory of literature, and literature's place within larger cultural systems.

Note: Expected to be given in 2010–11. Readings in German and English, discussions in German.

German 227. Allegories of Modernity: from Benjamin to Agamben - (New Course)

Catalog Number: 31337

Oliver Simons

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course will study how literary and theoretical texts reflect upon the period around 1900. What is modern? How is modernity defined, constructed and invented in writings by Walter Benjamin, Hugo von Hofmannsthal, Sigmund Freud, Theodor W. Adorno, Jean-Francois Lyotard, and Giorgio Agamben?

Note: Readings and discussions in English.

German 234. The Voice: Between Media and Immediacy - (New Course)

Catalog Number: 59637

Markus Wilczek

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Traces the interplay of literary, philosophical, and technological discourses in the cultural history of 'voice.' Readings include Hoffmann, Kafka, and Thomas Mann as well as treatises of rhetoric, theories of orality, and approaches from media studies.

Note: Discussions in English, readings in English and German.

[German 244. Readings in German Film Theory]

Catalog Number: 6388

Eric Rentschler

Half course (spring term). Hours to be arranged.

Film theory, from the formalist perspectives of Arnheim and Eisenstein to critical assessments of cinema's potential by Balázs, Kracauer, Benjamin, and Adorno. We consider the impact of this classical legacy on recent film and media studies.

Note: Expected to be given in 2010–11. Conducted in English. Readings in English; students with German-language proficiency read texts in the original.

German 246. The Ethics of Atheism: Marx, Nietzsche, Freud (Graduate Seminar in General Education) - (New Course)

Catalog Number: 80945

Peter J. Burgard



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the Western secular tradition through the work of three prominent modern theorists whose critiques of religion - in social and political theory, in moral philosophy, and in psychoanalysis and anthropology - are motivated by ethical concerns.

Note: The seminar will design and develop a General Education course on these themes for undergraduates. Expected to be omitted in 2010-2011. Readings and discussions in English.

[German 288. German Novels Since Reunification: Seminar]

Catalog Number: 8467

Judith Ryan

Half course (fall term). Hours to be arranged.

A study of German novels since 1990, viewed within their social and cultural context and against the backdrop of contemporary literary theory. Authors include Beyer, Brussig, Drawert, Hein, Hilbig, Maron, Timm, and Wolf.

Note: Expected to be given in 2010–11. Readings in German, discussions in English.

German 290. Experience and Remembrance in W.G. Sebald: Seminar - (New Course)

Catalog Number: 74744

Judith Ryan

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Close study of Sebald's narrative and poetic works, as well as a selection of his scholarly essays, against the backdrop of recent literary theory.

Note: Readings in German, discussions in English.

Cross-listed Courses

Comparative Literature 245. Intertextuality - (New Course)

History 2265 (formerly History 2475). Problems and Sources in Modern German History: Seminar

[Medieval Studies 227 (formerly Medieval Studies 127). Hildegard of Bingen and the Gospels: Seminar]

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History**

Graduate Courses of Reading and Research

***German 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 3646

Peter J. Burgard 2217, Peter Nisbet 1738, Eric Rentschler 2325, Judith Ryan 1135 (on leave spring term), Oliver Simons 5274 (on leave fall and spring term), and Maria Tatar 3645

***German 301. Foreign Language Teaching Workshop**

Catalog Number: 6129

Members of the Department

Half course (fall term). Hours to be arranged, two hours weekly.

An introduction to the teaching of German. Examines the history of German pedagogy, current



methodological trends, research, textbooks, and technology. Emphasis on the practical aspects of teaching German from beginning to advanced levels.

***German 302. Introduction to Methods of Teaching Courses on Literature and Culture**

Catalog Number: 4557

Maria Tatar 3645

Half course (spring term). Th. 2-4. EXAM GROUP: 16, 17

An introduction to teaching courses with an interdisciplinary approach to the subject matter.

Note: By permission of the instructor.

Germanic Philology

Primarily for Graduates

Graduate Courses of Reading and Research

***Germanic Philology 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1045

Joseph C. Harris 1089, Jay Jasanoff 1661, and Stephen A. Mitchell 7056

Cross-listed Courses

[Linguistics 247. Topics in Germanic Linguistics](#)

Scandinavian Languages

Primarily for Undergraduates

[Norwegian A. Beginning Norwegian Language](#)

Catalog Number: 1988

Stephen A. Mitchell and members of the Department

Full course (indivisible). M., through Th., at 10. EXAM GROUP: Spring: 3

Focuses on listening, speaking, reading, and writing skills in Norwegian (*bokmål*). In spring term, more advanced conversation skills and an introduction to Norway's culture are emphasized. Upon completion, students will be able to carry on conversations in everyday Norwegian.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree. Not open to auditors.

[Swedish A. Beginning Swedish Language and Literature](#)

Catalog Number: 7438

Ursula Lindqvist

Full course (indivisible). M., at 12 and 1, Tu., Th., 11:30-1. EXAM GROUP: Fall: 5, 14; Spring: 13, 14

A basic course focusing on listening, speaking, reading, and writing skills. During spring term,



the emphasis is on more advanced conversation and an introduction to Sweden's culture and civilization through selected texts and videos. By year's end, students will be able to carry on conversations in everyday Swedish.

Note: The first half of this course may not be taken as a half course for credit toward the AB degree. Not open to auditors.

Swedish Ba. Intermediate Swedish

Catalog Number: 3104

Ursula Lindqvist

Half course (fall term). M., W., at 1, and an additional hour to be arranged. EXAM GROUP: 6

Review of the essentials of Swedish grammar and development of vocabulary. Readings in modern Swedish literature are selected to encourage class discussion and to improve the student's speaking and writing skills. Authors include Hjalmar Söderberg, Selma Lagerlöf, and Ingmar Bergman.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish A or equivalent.

Swedish Bb. Intermediate Swedish

Catalog Number: 3405

Ursula Lindqvist

Half course (spring term). M., W., at 1, and an additional hour to be arranged. EXAM GROUP: 6, 9, 18

Continuation of Swedish Ba. Readings from works in classical and modern Swedish literature and other texts of cultural and social interest. Authors include August Strindberg, Pär Lagerkvist, Carl Michael Bellman, Tomas Tranströmer, and Vilhelm Moberg.

Note: Conducted in Swedish. Not open to auditors.

Prerequisite: Swedish Ba or equivalent.

Scandinavian Literature and Culture

Primarily for Undergraduates

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Permission of the Director of Undergraduate Studies required.

***Scandinavian 97. Tutorial — Sophomore Year**

Catalog Number: 1592

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and acquaint students with appropriate analytical methods.



Note: Open to concentrators in the Scandinavian option. Permission of the Director of Undergraduate Studies required.

***Scandinavian 98. Tutorial — Junior Year**

Catalog Number: 4255

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Group or individual tutorial designed to supplement course work and to develop analytical techniques.

Note: Permission of the Director of Undergraduate Studies required.

***Scandinavian 99. Tutorial — Senior Year**

Catalog Number: 5542

Stephen A. Mitchell and members of the Department

Full course. Hours to be arranged.

Open to concentrators writing an honors thesis under faculty supervision. Students are expected to enroll for the entire year. Permission of the Director of Undergraduate Studies required.

For Undergraduates and Graduates

Scandinavian 115. Nordic Cinema - (New Course)

Catalog Number: 9052

Ursula Lindqvist

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

The Nordic region has made formidable contributions to world cinema, from the Swedish invasion of Hollywood in the silent film era to Denmark's Dogma 95 movement. This course instructs students in analyzing films in their Nordic cultural and historical contexts and provides an overview of this regional cinema as art and industry within European film history. Topics will include the silent Golden Age, auteurs Dreyer and Bergman, and transnational and diasporic cinema.

Note: All readings in English and all films subtitled in English; students with a knowledge of a Nordic language read those texts in the original. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

[Scandinavian 150 (formerly Scandinavian 80). The Vikings and the Nordic Heroic Tradition]

Catalog Number: 3974

Stephen A. Mitchell

Half course (fall term). Hours to be arranged.

Examines the heroic legacy resulting from the historical events in northern Europe A.D. 800 to A.D. 1100, concentrating on medieval Icelandic poetry and sagas. The course focuses on how these texts present their heroes as warriors, kings, poets, outlaws and adventurers, and reviews how the viking image is received and shaped in later periods. Pre-Christian mythology, the viking raids and the Norse experience in "Vinland" carefully considered.

Note: Expected to be given in 2010–11. All readings and discussions in English. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and



Interpretive Understanding or the Core requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy

Catalog Number: 1139 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Introduction to the language and literary culture of medieval Scandinavia, emphasizing works treating the Viking Age and their valorization of an heroic ideal. In addition to basic language skills, students acquire familiarity with key critical tools of the field. Readings include scaldic poetry, selections from *Egils saga* and the Vinland sagas, and various runic monuments.

Note: May be counted toward the Folklore and Mythology 90 requirement.

Scandinavian 160br (formerly Scandinavian 160b). Old Norse Language, Literature, and Culture: Mythology

Catalog Number: 7588 Enrollment: Limited to 12.

Stephen A. Mitchell

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Builds on Scandinavian 160a, continuing the language study and cultural survey of the first term, but now considers mythological texts relating to Viking religious life, mainly selections from the prose and poetic *Eddas*. Special attention is paid to scholarly tools and debates concerned with the interpretation of these cultural monuments.

Note: May be counted toward the Folklore and Mythology 90 requirement.

Prerequisite: Scandinavian 160a or equivalent.

***Scandinavian 191r. Supervised Reading and Research**

Catalog Number: 6175

Stephen A. Mitchell

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in topics not covered in regular courses.

Graduate Courses of Reading and Research

***Scandinavian 300. Special Reading Programs and Research Problems for Advanced Students**

Catalog Number: 1708

Joseph C. Harris 1089 and Stephen A. Mitchell 7056

Half course (fall term; repeated spring term). Hours to be arranged.



Global Health

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Global Health

Paul Farmer, The Maude and Lillian Presley Professor of Social Medicine (*Medical School*) (*Co-Chair*)

David M. Cutler, Otto Eckstein Professor of Applied Economics (*Co-Chair*)

David E. Bloom

Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences

Dan W. Brock, Frances Glessner Lee Professor of Legal Medicine (*Medical School*)

Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology

Nicholas A. Christakis, Professor of Sociology (FAS), Professor of Medical Sociology in the Department of Health Care Policy (*Medical School*) (*on leave spring term*)

David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering

Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)

Richard G. Frank, Margaret T. Morris Professor of Health Care Policy (*Medical School*)

Susanne J. Goldie, Roger Irving Lee Professor of Public Health (*Public Health*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

David A. Haig, Harvard College Professor, George Putnam Professor of Organismic and Evolutionary Biology (*on leave 2009-10*)

Daniel L. Hartl, Higgins Professor of Biology (FAS), Professor in the Department of Immunology and Infectious Diseases (*Public Health*)

Gary King, David Florence Professor of Government, Albert J. Weatherhead, III University Professor

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies

Jennifer Leaning, Professor of the Practice of International Health (*Public Health*) and Associate Professor of Medicine (*Medical School*)

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology

John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program (*on leave spring term*)

Daniel P. Schrag, Sturgis Hooper Professor of Geology and Professor of Environmental Science and Engineering

Lucie E. White, Louis A. Horvitz Professor of Law (*Law School*)

The Standing Committee on Global Health seeks to promote expanded and enhanced curricular, research, and advising opportunities to undergraduate and graduate students. This committee will coordinate existing course offerings related to global health, encourage the creation of new courses on global health topics as appropriate, and help to facilitate the creation of new research



opportunities for undergraduates.

Global health presents a fundamentally interdisciplinary set of challenges. Harvard has a deep investment and scholarly capacity in many areas that provide critical insight to global health challenges. The scale and the complexity of these challenges extend beyond one discipline or methodology; the foundational works of the life sciences need to be bridged with a sophisticated understanding of the economic, political, social, and cultural factors that influence health outcomes. The Committee on Global Health with its diverse representation from across the Faculty of Arts and Sciences will provide a thoughtful and comprehensive program of study to Harvard undergraduates as they explore significant research topics in global health.

Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Government

Nancy Lipton Rosenblum, Senator Joseph S Clark Professor of Ethics in Politics and Government (*Chair*)
 Sener Akturk, Lecturer on Government
 James E. Alt, Frank G. Thomson Professor of Government (*Director of Graduate Studies*)
 Stephen Daniel Ansolabehere, Professor of Government
 Muhammet Ali Bas, Assistant Professor of Government (*on leave 2009-10*)
 Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies
 Eric Beerbohm, Assistant Professor of Government and of Social Studies (*on leave 2009-10*)
 Daniel P. Carpenter, Allie S. Freed Professor of Government
 Jocelyne Cesari, Lecturer on Government (*Divinity School*) (*spring term only*)
 Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*on leave 2009-10*)
 Carlos E. Díaz Rosillo, Lecturer in Government
 Jorge I. Domínguez, Antonio Madero Professor of Mexican and Latin American Politics and Economics
 Grzegorz Ekiert, Professor of Government (*on leave 2009-10*)
 Michael Frazer, Assistant Professor of Government and of Social Studies
 Jeffrey Frieden, Stanfield Professor of International Peace (*on leave spring term*)
 Claudine Gay, Professor of Government and of African and African American Studies
 Adam Glynn, Assistant Professor of Government
 Kenneth G.R. Haig, Lecturer on Government
 Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)



Reuven Hazan, Nachshon Visiting Professor
 Michael J. Hiscox, Clarence Dillon Professor of International Affairs (*on leave spring term*)
 Jennifer L. Hochschild, Harvard College Professor, Henry LaBarre Jayne Professor of
 Government and Professor of African and African American Studies (*on leave fall term*)
 Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor
 Christopher William Hughes, Edwin O. Reischauer Visiting Professor of Japanese Studies
 Nahomi Ichino, Assistant Professor of Government (*on leave fall term*)
 Torben Iversen, Harold Hitchings Burbank Professor of Political Economy
 Alastair Iain Johnston, Governor James Albert Noe and Linda Noe Laine Professor of China in
 World Affairs
 Gary King, David Florence Professor of Government, Albert J. Weatherhead, III University
 Professor
 Joseph Stanley Kochanek, College Fellow in the Department of Government
 Sanford V. Levinson, Visiting Professor of Government
 Steven R. Levitsky, Professor of Government
 Ofrit Liviatan, Lecturer on Government
 Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science
 Harvey C. Mansfield, William R. Kenan, Jr. Professor of Government
 Jens Meierhenrich, Assistant Professor of Government and of Social Studies (*on leave fall term*)
 Manjari Chatterjee Miller, College Fellow in the Department of Government
 Alison Mountz, Visiting Assistant Professor of Government
 Patrick J. Moynihan, Preceptor in Government
 Eric M. Nelson, Frederick S. Danziger Associate Professor of Government, Professor of
 Government
 Claus Offe, Visiting Professor of Government (*spring term only*)
 Ryan James Owens, Assistant Professor of Government
 Nathan Andrew Paxton, Lecturer on Government
 Gregg Andrew Peeples, Lecturer on Government
 Elizabeth J. Perry, Henry Rosovsky Professor of Government
 Paul E. Peterson, Henry Lee Shattuck Professor of Government (*on leave 2009-10*)
 Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
 Matthew B. Platt, Assistant Professor of Government
 Hans-Jurgen Puhle, Visiting Professor of Government (*spring term only*)
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Patrick T. Riley, Lecturer on Government, Lecturer on Social Studies (*spring term only*)
 James Robinson, David Florence Professor of Government
 Michael E. Rosen, Professor of Government (*on leave spring term*)
 Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs
 Pedram Safari, Preceptor in Government
 Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government (*on leave spring term*)
 Kenneth A. Shepsle, George D. Markham Professor of Government (*on leave spring term*)
 Kay Shimizu, Lecturer on Government (*fall term only*)
 Beth A. Simmons, Clarence Dillon Professor of International Affairs (*on leave 2009-10*)
 Thomas Simons, Lecturer on Government (*spring term only*)
 Perna Singh, Instructor [convertible] in Government
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology



Arthur P. Spirling, Assistant Professor of Government
Sumeeta Srinivasan, Preceptor in Government
Dennis F. Thompson, Alfred North Whitehead Professor of Political Philosophy in the Faculty of Arts and Sciences and in the John F. Kennedy School of Government
Richard Tuck, Frank G. Thomson Professor of Government
Detlef von Daniels, Lecturer on Government (*spring term only*)
Cheryl Brown Welch, Senior Lecturer on Government (*Director of Undergraduate Studies*)
Xiaohong Yu, Lecturer on Government
Daniel F. Ziblatt, Paul Sack Associate Professor of Political Economy

Other Faculty Offering Instruction in the Department of Government

Alberto Abadie, Professor of Public Policy (*Kennedy School*)
Graham T. Allison, Jr., Douglas Dillon Professor of Government (*Kennedy School*)
Matthew A. Baum, Marvin Kalb Professor of Global Communications
Nara Dillon, Lecturer on East Asian Languages and Civilizations
Lee Fleming, Albert J. Weatherhead III Professor of Business Administration (*Business School*)
Guido W. Imbens, Professor of Economics
Markus Jachtenfuchs, Pierre Keller Visiting Professor (*Kennedy School*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)
James M. Robins, Mitchell L. and Robin LaFoley Dong Professor of Epidemiology (*Public Health*)
Donald B. Rubin, John L. Loeb Professor of Statistics
Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
Sidney Verba, Carl H. Pforzheimer University Professor, Emeritus
Stephen Martin Walt, Robert and Renee Belfer Professor of International Affairs (*Kennedy School*)
Bruce Western, Professor of Sociology
Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

A full list of courses that count toward undergraduate concentration is available in the Office of the Director of Undergraduate Studies.

Department of Government course listings are numerically ordered as follows:

10–50: Introductory and General Courses

90 (with one or more letter suffix): Junior Seminars

91–99: Supervised Reading and Research, and Tutorials

1000–1029 and 2000–2029: Political Methodology and Formal Theory

1030–1099 and 2030–2099: Political Thought and Its History



1100–1299 and 2100–2299: Comparative Government

1300–1599 and 2300–2599: American Government, Public Law, and Administration

1700–1999 and 2700–2999: International Relations

3000–3999: Graduate Courses of Reading and Research and Dissertation Workshops

Introductory and General Courses

Primarily for Undergraduates

[Government 10. Foundations of Political Theory]

Catalog Number: 8836

Eric Beerbohm

Half course (spring term). Hours to be arranged.

This course investigates the central problems of political theory that concern the justification of democracy. Is democratic rule the uniquely just form of collective decision-making? What political institutions best express the democratic values of equality, deliberation, and participation? What are the moral responsibilities of citizens - whose representatives exercise political power in their name? Is democracy a human right? Readings integrate contemporary work in political philosophy with canonical thinkers, including Plato, Aristotle, Rousseau, and J.S. Mill.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning or the Core area requirement for Moral Reasoning.

Government 20. Foundations of Comparative Politics

Catalog Number: 6166

Steven R. Levitsky

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Provides an introduction to key concepts and theoretical approaches in comparative politics. Major themes include the causes of democratization, economic development, ethnic conflict, and social revolutions; as well as the role of the state, political institutions, and civil society. Examines and critically evaluates different theoretical approaches to politics including modernization, Marxist, cultural, institutionalist, and leadership-centered approaches. Compares cases from Africa, Asia, Europe, Middle East and Latin America to provide students with grounding in the basic tools of comparative analysis.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core area requirement for Social Analysis.

Government 30. American Government: A New Perspective

Catalog Number: 0263

Stephen Daniel Ansolabehere

Half course (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4



Provides an overview of contemporary American politics, showing how recent changes in elections and media coverage have helped shape key aspects of American government. From the courts, Congress, and the Presidency, to the workings of interest groups and political parties, and, also to the making of public policy, the pressure on political leaders to run permanent campaigns has altered governmental institutions and processes. The course explains how and why.

Note: This course, when taken for a letter grade, meets the General Education requirement for United States in the World or the Core area requirement for Social Analysis. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Government 40. International Conflict and Cooperation - (New Course)

Catalog Number: 72449

Stephen P. Rosen

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Why do states wage war? Why do they cooperate? Have the answers changed historically? Are economic globalization, ecological interdependence, and global civil society eroding traditional state sovereignty? Or do nationalism, protectionism, and power politics firmly limit the spread of world order? The course begins with the Peloponnesian War, the European state system, imperialism, the spread of free trade, and the two World Wars. It continues after 1945 with the spread of democracy and human rights, trade liberalization, international law, and ecological cooperation, as well as enduring sources of conflicts like the Cold War, nuclear weapons, civil strife, and rogue states.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Government 50. Introduction to Political Science Research Methods

Catalog Number: 6500

Arthur P. Spirling

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Can exit polls detect election fraud? What are the determinants of political corruption? Is Islam incompatible with open government? In what sense (if any) does democracy reduce the probability of war? This course introduces basic statistical techniques used in quantitative political methodology to give scientifically rigorous answers to these questions and many others. Topics covered include descriptive statistics, sampling, estimation, hypothesis tests, and applied linear and logistic regression.

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core requirement for Quantitative Reasoning.

Government 90: Undergraduate Departmental Seminars

These seminars offer teaching faculty in Government the opportunity to meet with highly-motivated students on a topic of current interest in political science. Gov 90s are open to both concentrators and non-concentrators and enrollment is at the discretion of the instructor. Please



note that Gov 90s do not fulfill the research seminar requirement for honors in Government.

***Government 90a (formerly *Government 1172). Contemporary British Politics: Seminar**

Catalog Number: 6263 Enrollment: Limited to 16.

James E. Alt

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Focuses on changes in economy, society, and politics in the transition from empire to small country. Topics include the evolving party system, electoral behavior, and a range of policy questions involving economic management, the welfare state, the European Community, race relations, and Northern Ireland.

***Government 90al (formerly *Government 1057). Global Distributive Justice and Political Borders: Seminar**

Catalog Number: 1889 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This seminar examines the problem of global distributive justice in contemporary political theory. Should we conceive of justice in global (universal) terms? Do political borders have moral significance, should states (or other entities) have a right to control their borders? We discuss national self-determination, immigration, international institutions, the moral/legal status of non-state actors. Syllabus includes Rawls, O'Neill, Scheffler, Pogge, Nagel, Beitz, Blake, Risse, Singer, Wenar, Cohen and Carens.

[*Government 90kg. American Political Development] - (New Course)

Catalog Number: 40243 Enrollment: Limited to 16.

Theda Skocpol

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Surveys the long-term development of the U.S. state and political system, and more closely examines changes since the 1960s in social policies, party politics, and social movements and citizen participation. The semester will culminate in an examination of the Obama era juxtaposed to earlier transformative eras in U.S. governance and politics, including the New Deal of the 1930s. Students will gain a critical appreciation of historical and institutionally focused research on the American polity.

Note: Expected to be given in 2010–11. Limited to 16. Open to any undergraduate by application to instructor on first day of class.

***Government 90qe (formerly *Government 1042). Theories of Peace and War in Western Political Thought: Seminar**

Catalog Number: 8881 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Half course (fall term). M., 4–6. EXAM GROUP: 9

This course examines arguments for war and arguments for peace in western political thought. Related topics, such as just war theory, collective security, and religious pacifism, will be treated as well. Readings will include Augustine, Grotius, Kant, and Carl Schmitt.



***Government 90qz. Law and Society: Classic Debates: Seminar - (New Course)**

Catalog Number: 12353 Enrollment: Limited to 16.

Detlef von Daniels

Half course (spring term). M., 1–3.

The general purpose of the course is to show that the history of jurisprudence and political theory cannot be separated from their social contexts but that these disciplines evolved as part of a broader discussion on law and society. We will read and discuss texts by Marx, Bentham, Weber, Habermas, Luhmann and Hart but also have a look at a number of contemporary cases.

***Government 90ve. The Concept of Power in International Relations: Seminar - (New Course)**

Catalog Number: 57674 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Power is a key concept in the study of international relations, yet it is far from self-evident what power exactly is. This course provides a survey of significant conceptualizations of power from a variety of different theoretical perspectives in IR theory, political thought and sociology, ranging from classical texts of IR theory to current debates about forms of power, the meaning of power and its role in world politics.

***Government 90vk. Islam in Central and South Asia: Comparative Hegemonies and Liberations - (New Course)**

Catalog Number: 76531

Thomas Simons

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the histories and current situations of Muslims in Central and South Asia. After sessions on Islam as a religion and as a civilization, it first compares their stories before and during British and Russian/Soviet rule. After a session on today's Middle East and its Islamist extremisms, it then follows the two cohorts to the our complex present. Concluding sessions on the prospects for Islamist extremism among them and the key variables we have discovered.

***Government 90zd. Hegel's Phenomenology of Spirit - (New Course)**

Catalog Number: 16103 Enrollment: Limited to 16.

Michael E. Rosen

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

The Phenomenology of Spirit is one of the most influential and original works in the history of Western thought, embodying radically new ideas about self-hood, history and society. In this course we shall read and attempt to come to terms with it.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Cheryl Brown Welch

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a term paper in a topic or topics not covered by regular courses of



instruction.

Note: Limited to juniors and seniors. Does not count for concentration credit. Offered at the discretion of the individual instructors. Written proposal and signature of Director of Undergraduate Studies required.

***Government 97. Tutorial — Sophomore Year**

Catalog Number: 3023

Nancy Lipton Rosenblum and Daniel F. Ziblatt

Half course (spring term). M., 2-3:30, and tutorial sections to be arranged. EXAM GROUP: 7, 8

This is a new one-semester course designed to provide all Government Department concentrators with a unified and challenging intellectual experience in the study of politics. The course covers a selection of topics on the theme of "Democracy" and draws on materials ranging from classics in political theory to cutting edge research in the discipline today.

***Government 99r. Tutorial — Senior Year**

Catalog Number: 3652

Cheryl Brown Welch and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Taken as two half courses by those who have elected the honors program and in order to write their senior theses.

Prerequisite: One half course of Government 98.

Government 98. Junior Research Seminars

These seminars are designed for junior concentrators who have elected the honors program. Honors candidates are required to take at least one research seminar. The seminars have two primary aims: 1) to allow students to explore in depth an important topic in political science, and 2) to prepare students to write a successful senior honors thesis. Each Junior Research Seminar will guide students through the process of research, beginning with topic selection and culminating in the submission of a substantial research project at the end of the term. Enrollment is limited, and is determined by a lottery based on student preferences. The seminars are open to other Government concentrators and to nonconcentrators on a space available basis.

[*Government 98au (formerly *Government 90au). Political Economy]

Catalog Number: 8213 Enrollment: Limited to 16.

Torben Iversen

Half course (spring term). Hours to be arranged.

Examines modern theories of political economy and their applications to macro problems in advanced democracies. Why do some governments and countries generate better economic performance than others? Why are some economies more egalitarian than others? How do politicians manipulate the economy for partisan gain, and how are politicians constrained by institutions and the global economy? We seek to answer these questions using the most promising theories in political science and economics.

Note: Expected to be given in 2010–11.



[*Government 98bg (formerly *Government 90bg). Parties and Elections]

Catalog Number: 9098 Enrollment: Limited to 16.

Nahomi Ichino

Half course (fall term). Hours to be arranged.

Examines political parties and elections in new and established democracies in the developing world. Topics covered: societal cleavages and party systems, economic voting, ethnic voting, patronage and vote buying, electoral fraud and election governance, the effect of electoral rules and other institutions.

Note: Expected to be given in 2010–11.

***Government 98dl. Analyzing Foreign Policy: Theory and Practice of International Relations**

Catalog Number: 0837 Enrollment: Limited to 16.

Manjari Chatterjee Miller

Half course (fall term). Tu., 1–3.

What accounts for state behavior? Are foreign policy decisions influenced by leaders' beliefs and domestic politics or an inevitable consequence of the structure of the international system? This junior seminar has two goals. First, you will learn to apply analytical tools from IR theory, including cultural/ideological explanations, domestic political theories and systemic/structural factors, to state behavior and foreign policy. The primary examples discussed in class will be drawn from the behavior of two rising powers today, India and China. Second, you will select a specific case study of foreign policy behavior for analysis using the tools you have learned.

Note: Open to qualified sophomores and seniors.

***Government 98dn (formerly Government 90dn). Mapping Social and Environmental Space**

Catalog Number: 2017 Enrollment: Limited to 16.

Sumeeta Srinivasan

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will use mapping as a methodological technique to examine social and environmental issues. Students will be expected to use mapping software to examine spatial data for a location and topic of their choice for their final paper. Weekly discussions will be conducted in class on various mapping related topics. References will range from books like "How to lie with Maps" to current journal articles examining the use of GIS in social science.

***Government 98ef (formerly *Government 90ef). Black Politics in the Post Civil Rights Era**

Catalog Number: 3345 Enrollment: Limited to 16.

Claudine Gay

Half course (spring term). M., 2–4.

Course examines shift among African Americans from protest to politics. Emphasis is on development and use of political resources as the means to achieve policy objectives in the post-Civil Rights Era. Beginning with 1965 Voting Rights Act, course will explore the issues, opportunities, and challenges that have defined African American political life in the last forty years, as well as the attitudes and debates that have shaped efforts to increase African American influence over the political process.



[*Government 98ej. Ethnic Politics] - (New Course)

Catalog Number: 28505 Enrollment: Limited to 16.

Prerna Singh

Half course (spring term). W., 2–4.

Today it is easy to observe that "ethnicity matters", but to understand contemporary ethnic politics, it is important to situate it in a theoretical, historical and comparative perspective. This junior seminar will compare the ways in which ethnic identities have become salient in politics across the world by focusing on three main sets of questions: 1. What is ethnicity? 2. What are the origins of ethnic identity? 3. What are the consequences of ethnic identities?

Note: Expected to be given in 2010–11.

***Government 98ek. Globalization and Private Governance - (New Course)**

Catalog Number: 13525 Enrollment: Limited to 16.

Michael J. Hiscox

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This research seminar examines the impact of globalization on labor and environmental standards in developing nations. Topics include: the rules of the World Trade Organization and various preferential trade agreements, including NAFTA, and how these affect regulatory standards set by governments; the effects of corporate social responsibility (CSR) measures, including corporate codes of conduct; the effectiveness of activist campaigns, and; the impact of voluntary certification and labeling schemes such as Fair Trade.

***Government 98fg. Presidents, Governors, and Mayors: Chief Executive Power in Comparative Perspective**

Catalog Number: 8598 Enrollment: Limited to 16.

Carlos E. Díaz Rosillo

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

Analyzes the foundation, development, and exercise of chief executive power at the national, state, and local levels of government in the United States. Examines the applicability of different political science theories of presidential power to the broader exercise of chief executive power. Explores the sources and limits of executive authority, the roles and responsibilities of political chief executives at different levels of government, and the way in which institutions affect the exercise of chief executive power.

***Government 98gl. Inhuman Wrongs: Crimes Against Humanity in Theory, Politics, and Law**

Catalog Number: 5106 Enrollment: Limited to 16.

Cheryl Brown Welch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

After considering some analytical perspectives on extraordinary cruelty in modern political thought-on abuses whose wrongness has been called "morally overdetermined"-we turn to nineteenth-century cases of scandals against humanity: slavery, extermination, barbarous warfare. We then trace the legalization of the metaphor of a crime against humanity in the twentieth century and consider contemporary debates about how to prevent, punish, or repair inhuman wrongs.



***Government 98gs (formerly *Government 90gs). Globalization and Civil Society**

Catalog Number: 7546 Enrollment: Limited to 16.

Susan J. Pharr

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This seminar explores the concept of civil society with a focus on Asia. It looks at the Western origins of the idea of civil society, public space, and social capital; debates over their applicability outside the West; the relation between civil society and democracy; the forms civil society takes under conditions of repression; and how civil societies arise in the first place. Special attention to China, Japan, Korea, Taiwan, and India.

***Government 98hk. The Early Development of American Political Institutions and Organizations - (New Course)**

Catalog Number: 51268

Daniel P. Carpenter

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Survey of developments in the party system, social movements, Congress, the presidency and the bureaucracy from the colonial period through the Civil War. Rise of the two-party system, the mass party and changes in voting rights; congressional committees and their power; building of the Constitution and the federal judiciary; abolitionism and new social movements, the emergence of early bureaucratic institutions, and the presidency -- studied using three theoretical approaches (rational choice, historical institutionalism, and critical theory).

***Government 98hn. Immigrants, Citizenship, and the State - (New Course)**

Catalog Number: 19599 Enrollment: Limited to 16.

Kenneth G.R. Haig

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course aims to give students the tools with which to analyze how / why political conflicts over immigration play out in sometimes similar, sometimes dissimilar ways across liberal democratic societies, focusing in particular on three common areas of debate: the criteria for migrants' entry and membership, their access to jobs and public services, and integration into the polity. We start with the U.S., then look for parallels and comparative reference elsewhere, including France, Japan, and Australia.

[*Government 98ia (formerly *Government 90ia). Sino-US Relations in an Era of Rising Chinese Power]

Catalog Number: 9006 Enrollment: Limited to 16.

Alastair Iain Johnston

Half course (spring term). Hours to be arranged.

Assesses theoretical arguments and empirical evidence concerning the implications of Chinese economic and military modernization for conflict and cooperation between China and the US. Some issues examined include global arms control, trade, the environment, and regional security. *Note:* Expected to be given in 2010–11.

***Government 98jm (formerly *Government 90jm). Comparative Constitutional Law and Religion**

Catalog Number: 5104 Enrollment: Limited to 16.



Ofrit Liviatan

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduction to key constitutional concepts using a cross-national comparative examination of religious freedom issues. Topics include: processes of constitution-making, implementing and enforcing constitutions, constitutional accommodation of diversity and the relationship between societies and their constitutions. Readings emphasize contemporary debates on religious affairs: the wearing of religious headscarves, public funding for religious institutions, same-sex marriage and more.

***Government 98jn. Politics and Society in Israel - (New Course)**

Catalog Number: 15439 Enrollment: Limited to 16.

Reuven Hazan

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course analyzes the interrelationship between politics and society in Israel since its establishment. The emphasis is on explaining how the political institutions and social cleavages have functioned over time. It addresses such topics as: The uniqueness of Israeli politics; the social divisions; the origins and development of the political system; electoral history; government formation then and now; religion and politics; Israeli Arabs; political change and social transformation in the 1990s; and recent developments.

***Government 98nf. Fire and Ice? Border Politics and Governance of Immigration in Canada and the US - (New Course)**

Catalog Number: 99753 Enrollment: Limited to 16.

Alison Mountz

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The border that conjoins and divides Canada and the United States offers a platform for discussion of border politics and governance of immigration. Are Canada and the United States really that different? The answer may not be the same on both sides of the border. In spite of recent harmonization of immigration and refugee/asylum policies, Canadians and Americans face distinct economic, cultural, historical, and political landscapes. Students will interrogate border practices, policies and struggles.

***Government 98nk (formerly *Government 90hf). Voters, Parties, and Elections in Comparative Perspective**

Catalog Number: 6598 Enrollment: Limited to 16.

Arthur P. Spirling

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Why do people vote the way they do? What role do parties play in democracies? Which electoral system is 'best' --- and why? This seminar seeks answers to these questions and is divided into three sections dealing with the fundamentals of modern democracy: voters, parties and elections. Readings will be both theoretical and empirical, and will cover voting behavior, party organization and strategy, electoral systems and electoral reform. Substantive focus will be on Western Europe.

***Government 98nm (formerly *Government 90nm). Race and Representation**

Catalog Number: 1424 Enrollment: Limited to 16.



Matthew B. Platt

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course explores the fundamental question of whether black members of Congress provide the highest potential quality of representation for their black constituents. Beginning with Reconstruction and continuing throughout the present Congress, we chart how the nature of black representation has changed in accordance with broader changes among black Americans themselves.

***Government 98np. Global Politics of Disease & Health - (New Course)**

Catalog Number: 66785 Enrollment: Limited to 16.

Nathan Andrew Paxton

Half course (spring term). (W.), 4–6. EXAM GROUP: 9

Course will consider the international politics and political issues associated with the recent prominence of epidemics like AIDS, SARS and H1N1 influenza. Focus on global and international response institutions and their relationships with affected countries. Some consideration will also be given to comparing individual country responses.

***Government 98qa (formerly *Government 90qa). Community in America**

Catalog Number: 4941 Enrollment: Limited to 16.

Robert D. Putnam

Half course (spring term). Tu., 2–4.

Has the social fabric of America's communities and the civic engagement of its citizens changed over the last generation? Why? Does it matter? What lessons might we find in American history? These questions are at the focus of this seminar.

[*Government 98sg (formerly *Government 90sg). Global Justice]

Catalog Number: 9860 Enrollment: Limited to 16.

Eric Beerbohm

Half course (fall term). Hours to be arranged.

This course examines how principles of justice bear upon the practice of global politics. What do cosmopolitan values - the equal worth of all persons and the existence of moral obligations binding all - require of citizens and their political institutions? Topics include theories of cosmopolitanism, world poverty and global distributive justice, the justification and demandingness of human rights, and the ethics of humanitarian intervention.

Note: Expected to be given in 2011–12.

***Government 98sn. Expansion of Judicial Powers: A Comparative Study - (New Course)**

Catalog Number: 54432 Enrollment: Limited to 16.

Xiaohong Yu

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

This course will examine and compare the role of law and courts in countries throughout the world. The topics include: what courts do; different legal systems; the power of courts; constraints on judicial power; judicial review; conflict between the Court and the other branches of government; conflict within the judicial hierarchy; and judicial appointments. Our main focus will be the comparative experience of court developments, in both democratic and authoritarian regimes.



***Government 98sp (formerly *Government 90sp). Future of War**

Catalog Number: 6012 Enrollment: Limited to 16.

Stephen P. Rosen

Half course (fall term). W., 2–4.

Examines the character and implications of political and technological factors that could affect the future conduct of war.

***Government 98tf. Conservative Political Thought - (New Course)**

Catalog Number: 46317 Enrollment: Limited to 16.

Cheryl Brown Welch and members of the Department

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course examines conservative thought from the French Revolution to the present. In addition to studying the visions of society articulated by thinkers like Burke, de Maistre, and Oakeshott, we will consider the theoretical status of conservative arguments. Is conservatism a political philosophy? An ideology? Or simply a practical disposition? Roughly the first half of the course treats conservatism in a transatlantic context. The final weeks focus on the American tradition.

***Government 98tj. Research in International Law and Politics: Seminar - (New Course)**

Catalog Number: 42235 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Half course (spring term). M., 4–6. EXAM GROUP: 9

This seminar will focus on how international law orders both national and international politics. The goal of the seminar will be to understand the basic theories that international relations and international legal scholars use to analyze the international system, and to explore through readings and original research the implications of those theories for designing international legal regimes and institutions. While it will be useful to have taken Government 1740, it is not necessary.

[*Government 98vc (formerly *Government 90vc). International Law: Theory and Research]

Catalog Number: 1382 Enrollment: Limited to 16.

Beth A. Simmons

Half course (fall term). Hours to be arranged.

Addresses advanced issues on the links between international law and international politics. Focus is on theories of international law creation and diffusion, theories of commitment (international law's signaling role) and theories of compliance. Empirical literature includes case studies and quantitative studies in a range of issue areas. Research design and methods are stressed. Grades are based on participation and an individual research paper.

Note: Expected to be given in 2011–12.

Prerequisite: Government 1740.

***Government 98vg. Topics in Recent Political Theory**

Catalog Number: 0819 Enrollment: Limited to 16.

Michael E. Rosen

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16



An exploration of some central themes of recent work in English-language political philosophy, including Rawls and his critics, egalitarianism, and the nature of rights. Other topics will reflect the individual interests of students who enroll. This course is designed to help participants to make the transition from being critical readers of political thought to being independent contributors to debate.

***Government 98vm (formerly *Government 90vo). Contemporary Democratic Theory: Seminar - (New Course)**

Catalog Number: 94089 Enrollment: Limited to 16.

Dennis F. Thompson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A critical examination of three prominent theories of democracy. The seminar is intended for juniors who plan to write a senior thesis on some aspect of democratic theory. In the first half of the seminar, students read the work of theorists and their critics, and consider several challenges faced by all democratic theories, such as the potential conflict between democracy and justice, the scope of citizenship, and obligations to future generations. In the second half of the seminar, students present in class a prospectus for a thesis, and a draft of the final paper for the course, which may also be a possible chapter for their thesis.

***Government 98yd. Parties and Elections in America and How They Got That Way - (New Course)**

Catalog Number: 87556 Enrollment: Limited to 12.

Cheryl Brown Welch and members of the Department

Full course (spring term). W., 3–5.

This course considers the roots of a series of issues in contemporary American parties and elections, examining their development over time and situating present circumstances in historical perspective. Topics include party alignments (noting race, religion, region, gender, and class), third parties, nominating systems, election administration, the shape of the electorate, voter turnout, money and politics, and Congressional elections.

***Government 98zg (formerly *Government 90zg). Ethnic Politics and Conflict - (New Course)**

Catalog Number: 96589

Cheryl Brown Welch and members of the Department

Half course (spring term). Th., 2–4.

What are ethnic groups? How are they relevant to politics? And what are the consequences of ethnicity on political outcomes such as distribution of public goods, voting, and violence? This course probes these questions by examining some of both the classics and cutting edge research on ethnic politics, with the aim of preparing students to conduct their own research projects.

Cross-listed Courses

East Asian Studies 98b. Junior Tutorial--State and Society in Contemporary Japan

East Asian Studies 98d. Junior Tutorial--The Political Economy of Modern China

East Asian Studies 195. Fighting Poverty in China: Redistribution, Social Rights & NGOs in Comparative Perspective - (New Course)



***Social Studies 98lb. Conceptions of Democracy in French Political Thought - (New Course)**

Political Methodology and Formal Theory

For Undergraduates and Graduates

Government 1000. Quantitative Methods for Political Science I

Catalog Number: 3990

Adam Glynn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to statistical research in political science with a focus on applied multiple linear regression.

Note: Frequently taken by graduate students satisfying department requirements. Also open to qualified undergraduates. This course, when taken for a letter grade, meets the Core requirement for Quantitative Reasoning.

Prerequisite: Gov. 50, or equivalent, or permission of the instructor.

Government 1002. Advanced Quantitative Political Methodology

Catalog Number: 0181

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Introduces theories of inference underlying most statistical methods and how new approaches are developed. Examples include discrete choice, event counts, durations, missing data, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others.

Prerequisite: Government 2000 or the equivalent.

Government 1003. Design for Political Inquiry - (New Course)

Catalog Number: 31874

Nahomi Ichino and Adam Glynn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Research design for causal inference in qualitative and quantitative studies. Topics covered include measurement, conceptualization, case studies, the relationship between large-n and small-n studies, process-tracing, surveys, field experiments, and natural experiments, with examples of their use in political science.

Note: Primarily for graduate students; may also be taken by undergraduates preparing for senior thesis research.

Government 1008. Introduction to Geographical Information Systems

Catalog Number: 9732

Sumeeta Srinivasan

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course introduces Geographical Information Systems and their applications. GIS is a combination of software and hardware with capabilities for manipulating, analyzing and displaying spatially referenced information. The course will meet two times a week. Every week,



there will be a lecture and discussion as well as a laboratory exercise where students will work with GIS software on the computer. No Prerequisites.

Government 1009. Advanced Geographical Information Systems Workshop

Catalog Number: 8150

Sumeeta Srinivasan

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

This course is a workshop for students who have taken the introductory Geographical Information Systems course and want to explore detailed applications. The course will meet two times a week for a lecture and a laboratory exercise.

Government 1010. Survey Research Methods

Catalog Number: 8482

Patrick J. Moynihan

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course introduces students to the theoretical underpinnings and practical challenges of survey research, designed to help students better understand, interpret and critically evaluate surveys and public opinion polls.

Government 1011. Survey Research Practicum

Catalog Number: 7359

Patrick J. Moynihan

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The practical application of key principles in the field of survey research will be the focus of this course. Students will be provided with hands-on opportunities in all phases of the research process, culminating in an actionable research plan.

Government 1016. Spatial Models for Social and Environmental Policy

Catalog Number: 0737

Sumeeta Srinivasan

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Introduces the fundamental statistical and mapping tools needed for analysis of environmental and social policy. Topics are linked by environmental and social themes and include spatial statistics; surface estimation; raster algebra; suitability modeling and remote sensing. Students acquire technical skills in both mapping and spatial models. Software packages used include STARS - Space-Time Analysis of Regional Systems, GeoVISTA, ArcGIS, Geoda and MULTISPEC.

Prerequisite: Some prior experience with GIS and knowledge of basic statistics.

Government 1019 (formerly Government 1119). Basic Mathematics for Social Scientists

Catalog Number: 0989

Pedram Safari

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

The aim of this course is to provide the students of social sciences with a conceptual understanding of the basic notions of calculus and matrix algebra.



Government 1020. Intermediate Mathematics for Social Scientists

Catalog Number: 7487

Pedram Safari

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

This course is geared toward graduate students of social sciences (such as government, education, psychology, etc.). The focus is on a conceptual understanding of vector calculus and probability, as well as applications.

Cross-listed Courses

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Primarily for Graduates

Government 2000. Introduction to Quantitative Methods I

Catalog Number: 2281

Adam Glynn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Graduate-level version of Gov. 1000. Meets with Gov. 1000, an introduction to statistical research in political science with a focus on applied linear regression. Will require extra homework and examination problems in addition to those for Gov. 1000.

Prerequisite: Permission of the instructor for anyone other than Government Department graduate students.

Government 2001. Advanced Quantitative Research Methodology

Catalog Number: 8941

Gary King

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Graduate-level version of Gov. 1002. Meets with Gov. 1002, introduces theories of inference underlying most statistical methods and how new approaches are developed. Examples include discrete choice, event counts, durations, missing data, ecological inference, time-series cross sectional analysis, compositional data, causal inference, and others. Will require extra homework and examination problems in addition to those for Gov. 1002.

Prerequisite: Government 2000 or the equivalent.

[Government 2006. Formal Political Theory II]

Catalog Number: 5487

James Robinson

Half course (spring term). Hours to be arranged.

Continuation of Government 2005.

Note: Expected to be given in 2010–11.

[Government 2007. Political Economics]

Catalog Number: 2094

James Robinson

Half course (spring term). Tu., Th., 10:30–12.



This course covers the basic analytical approaches to political economy and their application.

Note: Expected to be given in 2010–11.

***Government 2009. Methods of Political Analysis**

Catalog Number: 1080 Enrollment: Limited to 15.

Peter A. Hall

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Covers the issues and techniques central to designing and researching a good dissertation, whether quantitative or qualitative, including principles of research design, case selection, comparison, measurement, and causal relations, with many practical examples.

Note: Open to all doctoral students, regardless of year, and to advanced undergraduates.

Government 2010. Design for Political Inquiry

Catalog Number: 7421

Nahomi Ichino and Adam Glynn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Research design for causal inference in qualitative and quantitative studies. Topics covered include measurement, conceptualization, case studies, the relationship between large-n and small-n studies, process-tracing, surveys, field experiments, and natural experiments, with examples of their use in political science.

Note: Primarily for graduate students; may also be taken by undergraduates preparing for senior thesis research.

Political Thought and Its History

For Undergraduates and Graduates

[Government 1052. History and Freedom in German Idealism]

Catalog Number: 3628

Michael E. Rosen

Half course (fall term). Tu., Th., at 11.

The high period of German Idealism (from 1781, the date of the publication of Kant's Critique of Pure Reason, to the death of Hegel in 1831) is one of the most revolutionary in the history of philosophy. We shall study the period using the central ideas of history and freedom as our guide and trace how modern ideas regarding freedom, the self, and the historical character of knowledge have their origins in the Idealists' thought.

Note: Expected to be given in 2010–11.

Government 1060. Ancient and Medieval Political Philosophy

Catalog Number: 4978

Harvey C. Mansfield

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Classical and medieval political philosophy, from Plato to Thomas Aquinas, with special attention to the question of natural right.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.



Government 1061. The History of Modern Political Philosophy

Catalog Number: 5035

Harvey C. Mansfield

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Political philosophy from Machiavelli to Nietzsche, with attention to the rise and complex history of the idea of modernity.

Note: This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Government 1072. Moral Issues in Contemporary Politics - (New Course)

Catalog Number: 91765

Michael Frazer

Half course (spring term). M., W., 2-4; Th., at 10; Th., at 11. EXAM GROUP: 7, 8

This course is intended to help students think critically about the controversial ethical questions which are being debated in American politics today. We will weigh both sides of arguments over such issues as economic redistribution, the rights of women and racial minorities, the political status of the family, the regulation of the beginning and end of life, and the conduct of foreign policy.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Government 1074. Political Thought of the American Founding

Catalog Number: 71248

Eric M. Nelson

Half course (fall term). M., W., at 11. EXAM GROUP: 4

John Adams observed that the American Revolution took place, not on the battlefield, but rather "in the minds of the people...before a drop of blood was shed at Lexington." This course will examine the political debates leading to American independence, and, later to the ratification of the Federal Constitution. Famous works of the period, such as Paine's *Common Sense* and *The Federalist*, will be placed in the wider context of American political writing from 1763 to 1789.

[Government 1082. What is Property?]

Catalog Number: 2723

Eric M. Nelson

Half course (fall term). Hours to be arranged.

This course will investigate the major theories of property in the Western political tradition and address such key questions as: How do we come to own things? What claims do others have on the things we own? Is the community the ultimate owner of all goods? Do property rights really exist, and, if so, what is their source? Readings will include the Bible, Plato, Aristotle, Cicero, More, Harrington, Locke, Marx, and Nozick.

Note: Expected to be given in 2010-11. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.



Government 1092. The Past and Future of the Left

Catalog Number: 6197

Roberto Mangabeira Unger (Law School)

Half course (spring term). M., 1-3 and a weekly section to be arranged. EXAM GROUP: 6, 7

The Left has identified itself throughout modern world history as a party of opinion that seeks to transform the institutions of society for the sake of greater equality and empowerment. It has claimed to champion the interests of ordinary working men and women. It now finds itself disoriented. The disorientation concerns both its institutional proposals and its assumptions about the ideal and the possible. This course explores the meaning of this disorientation and the way it can be overcome. It does so both historically and programmatically: by exploring the rise and fall in the nineteenth and twentieth centuries of the idea of a progressive alternative to established institutions as well as by considering the directions the Left now takes, can take, and should take. The scope of the argument is worldwide, touching on the experience of richer as well as poorer countries. A central theme is the relation of programmatic thought to the understanding of change and constraints. Readings in social and political theory as well as in the literature of contemporary programmatic debates. Take-home examination assigned several weeks before the end of term and due before the end of reading period.

Note: Offered jointly with the Law School as 44170-31.

[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]

Catalog Number: 4613 Enrollment: May be limited.

Michael J. Sandel and Douglas A. Melton

Half course (spring term). Hours to be arranged.

Explores the moral, political, and scientific implications of new developments in biotechnology. Does science give us the power to alter human nature? If so, how should we exercise this power? The course examines the science and ethics of stem cell research, human cloning, sex selection, genetic engineering, eugenics, genetic discrimination, and human-animal hybrids.

Note: Expected to be given in 2011–12. May not be taken concurrently with LS 60. May not be taken for credit if LS 60 has already been taken. Moral Reasoning 22 (Justice) is recommended as background. This course, when taken for a letter grade, meets the General Education requirement in Ethical Reasoning or the Core area requirement for Moral Reasoning.

Government 1094. The Jewish Political Tradition - (New Course)

Catalog Number: 19726

Eric M. Nelson

Half course (spring term). M., W., at 11. EXAM GROUP: 4

The Jews existed as a stateless people for nearly two thousand years. Yet, throughout this period, they continued to make rich contributions to the theory and practice of politics. This course will examine the history of Jewish political thought, beginning with the Hebrew Bible itself and concluding with the birth of Zionism. Special attention will be paid to the influence of Jewish political writing in Christian Europe and in the early American republic.

Cross-listed Courses

Note: These courses do *not* satisfy the political theory field requirement in Government except Moral Reasoning 17, Moral Reasoning 22, Moral Reasoning 58, and Moral Reasoning 68.



[African and African American Studies 130. W. E. B. Du Bois: Social and Political Writings]

[Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory]

[Ethical Reasoning 11. Human Rights: A Philosophical Introduction](#)

[*History 73a \(formerly History 1474\). Republics and Republicanism](#)

[History 1322. Heidegger and Arendt]

[Moral Reasoning 22. Justice]

[Moral Reasoning 58. Slavery in Western Political Thought](#)

[Philosophy 178. Equality and Democracy](#)

Primarily for Graduates

[*Government 2030. Political Concepts: Field Seminar]

Catalog Number: 0551 Enrollment: Limited to graduate students in Government

Dennis F. Thompson

Half course (fall term). Hours to be arranged.

Reading and discussion of rival accounts of the basic concepts of political thinking.

Note: Expected to be given in 2010–11.

[*Government 2034. Ethics Economics, and Law](#)

Catalog Number: 4652

Michael J. Sandel

Half course (fall term). M., 1–3.

Explores controversies about the use of markets and market reasoning in areas such as organ sales, procreation, environmental regulation, immigration policy, military service, voting, health care, education, and criminal justice. The seminar will examine arguments for and against cost-benefit analysis, the monetary valuation of life and the risk of death, and the use of economic reasoning in public policy and law.

Note: Offered jointly with the Law School as LAW - 93375A. Meets at the Law School. Open to GSAS students with permission of the instructor.

[Government 2056. Political Thought of the English Revolution]

Catalog Number: 5107

Eric M. Nelson

Half course (fall term). Hours to be arranged.

This course will survey the remarkable range of political responses to the English constitutional crisis of 1640 to 1660, from theories of divine right to the arguments of the Levellers. Readings will include Filmer, Harrington, Lilburne, Milton, Nedham, Parker, and Sidney. Special attention will be paid to the idiosyncratic perspective of Thomas Hobbes.

Note: Expected to be given in 2010–11.

[Government 2080. In Defense of Politics](#)

Catalog Number: 4345 Enrollment: Limited to 20.

Harvey C. Mansfield



Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Is political life noble or unworthy? Is it the highest life or inferior to some other life? Is it immoral or too moral? Readings from Plato, Aristotle, Tocqueville, Spinoza, Kant, Smith and Marx.

Note: Open to qualified undergraduates.

Government 2088. Ethical Foundations of Political Thought

Catalog Number: 2378

Michael E. Rosen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This class will cover areas of contemporary moral philosophy (for instance, utilitarianism, freedom, the nature of value, consent, well-being and desert) that are of particular relevance to political theorists.

Government 2093. Cicero: Seminar - (New Course)

Catalog Number: 78982

Richard Tuck

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course will study Cicero's moral and political ideas against the background of his political activity, and will also consider his influence on medieval and Renaissance writers. No Latin required. Qualified undergraduates may be admitted.

Government 2094. Kant and Kantianism - (New Course)

Catalog Number: 55223

Patrick T. Riley

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

The main political, moral, legal and historical works of Kant (including the three Critiques), plus Kant-interpretations of Hegel, Marx, Nietzsche, Rawls, Arendt, Korsgaard, Nora O'Neill, etc.

Cross-listed Courses

[Economics 2054. Social Choice and Welfare Economics]

Comparative Government

For Undergraduates and Graduates

Government 1100. Political Economy of Development

Catalog Number: 7687

Robert H. Bates

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Comparative analysis of political economy of development drawing on case studies from Africa, Asia, the Middle East, and Latin America.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.



[Government 1111. Political Institutions in Democracies and Non-Democracies]

Catalog Number: 7400

Nahomi Ichino

Half course (spring term). Hours to be arranged.

This course broadly examines how formal political institutions vary across countries, why these differences matter, and how these institutions change. Topics covered include regime type, presidentialism, parliaments and legislatures, government formation, rules governing elections, the franchise, political parties, the judiciary, bureaucracy, and federalism.

Note: Expected to be given in 2010–11.

Government 1118. Political Geography - (New Course)

Catalog Number: 48231

Alison Mountz

Half course (spring term). M., W., at 1; W., at 4; W., at 5. EXAM GROUP: 6

This course explores geography, territory, borders, and politics. Three main questions drive discussion and debate. First, what are 'politics' and, more importantly, where do they happen? Second, how does location influence how, where, and when political struggles unfold? Third, how are spatial arrangements of power made and re-made across borders? Students will engage contemporary struggles among global communities related to migration, border enforcement, human trafficking, terrorism, entrenched and emerging conflicts, and political geographies of violence.

Government 1132. Comparative Political Economy, Developed Countries - (New Course)

Catalog Number: 77322

Torben Iversen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course is a survey of topics and theories in comparative political economy with a focus on developed democracies in Western Europe, North America, and East Asia. The course applies insights from both political science and economics to explain why economic performance, distribution, and economic policies vary across countries. The course complements "Comparative Political Economy, Developing Countries", although one is not a prerequisite for the other.

Government 1152. The European Union: Institutions, Decision-Making, Politics - (New Course)

Catalog Number: 15263

Instructor to be determined

Half course (spring term). M., W., 10:10–11:30. EXAM GROUP: 3, 4

The European Union has developed into a multi-level system which shapes policy-making, political processes and political institutions of its member states to a large extent. The course looks at how the EU works, how it is distinct from a state and an international organization, and how it might develop. No previous knowledge of EU politics required.

Note: Offered jointly with the Kennedy School as IGA-327.

Government 1162. Democratic Legislative Institutions: Parliaments in Comparative Perspective - (New Course)



Catalog Number: 82068

Reuven Hazan

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course examines different democratic legislatures and compares between them. The course presents students with the basic concepts, theories and models needed to understand the structure, organizational activity and functions of democratic legislatures and allows the students to acquire the methodological tools needed in order to conduct research in the field. It addresses such topics as: the legislative process; bicameralism; executive-legislative relations; committees; oversight tools; legislative recruitment; cohesion and the decline of legislatures.

[Government 1170. Nation-Building and Democracy in the Development of Europe]

Catalog Number: 2585

Daniel F. Ziblatt

Half course (spring term). Hours to be arranged.

The course introduces students to the political development of western and eastern Europe, providing students with key historical context for understanding the challenges of on going European integration and enlargement. The main focus will be on the issues of feudalism, state-formation, revolution, industrialization, nationalism, and democracy to explore the origins and consequences of the historic divide between the two halves of Europe.

Note: Expected to be given in 2010–11.

Government 1197. The Political Economy of Africa

Catalog Number: 9130

Robert H. Bates and James Robinson

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The basic social science literature on Africa's development. Particular emphasis on political economy.

[Government 1203. Capitalism and Democracy in Central and Eastern Europe]

Catalog Number: 7078

Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

General introduction to East European politics focusing on the countries outside the former Soviet Union. Examines critical periods and dynamics of political and economic changes in the region from the end of World War I to the recent enlargement of the European Union.

Note: Expected to be given in 2010–11.

Government 1204. Jihad in World Politics

Catalog Number: 3339

Jocelyne Cesari (Divinity School)

Half course (spring term). W., F., at 9. EXAM GROUP: 2

The main purpose of this course is to analyze the different meanings and theories of jihad and how they influence International Relations and current conflicts in Afghanistan or Iraq. The course will review the use of jihad in Muslim empires and contemporary State systems, and will also analyze the modern concept of jihad in political movements like Hamas and Hizbu'llah and



Al Quaida. No specific knowledge of Arabic or Islam is required.

Note: Offered jointly with Kennedy School as IGA-333.

[Government 1243. Russian Politics in Transition]

Catalog Number: 1982

Timothy J. Colton

Half course (fall term). Hours to be arranged.

An examination of politics in the Russian Federation since the collapse of Soviet communism, focusing on the factors promoting and impeding the development of a stable democratic regime. Topics include the general dynamics of political and economic transformation, leadership, institution building, political culture, regionalism and federalism, electoral and party politics, state-society relations and interest groups, and Russian nationalism and neo-imperialism.

Note: Expected to be given in 2010–11.

Government 1255. The Politics of India - (New Course)

Catalog Number: 57342

Prerna Singh

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course will introduce students to politics in the world's largest democracy, focusing on themes both important to India and to a general study of politics in developing countries. How does one make sense of democracy in a poor multi-ethnic setting? How has democratic politics shaped and been shaped by a society divided along a caste, class, linguistic and religious lines? And how well has India fared in promoting economic development, both growth and equity?

***Government 1273. The Political Economy of Japan**

Catalog Number: 1365 Enrollment: Limited to 35. Approval of instructor needed for Graduate Students to enroll in this class.

Kay Shimizu

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Examines the history of Japan's political economy, its recent success and its current problems. Why did Japan succeed in becoming the first non-Western society to industrialize? Did Japan develop a particular brand of capitalism? What role did the political system play? What are its advantages and disadvantages of the Japanese model? Can it overcome the current technological changes and global pressures? Or is it no longer a viable model to emulate?

***Government 1280. Government and Politics of China**

Catalog Number: 1643 Enrollment: Approval of instructor needed for Graduate Students to enroll in this class.

Nara Dillon

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

General introduction to the politics of contemporary China. Basic objectives are to provide a working knowledge of Chinese political programs and practices, and to encourage a critical evaluation of the positive and negative aspects of China's socialist experiment.

Government 1295. Comparative Politics in Latin America

Catalog Number: 4241



Steven R. Levitsky

Half course (spring term). M., W., 2-3:30, and a section to be arranged. EXAM GROUP: 7, 8
Examines dynamics of political and economic change in modern Latin America, focusing on Argentina, Brazil, Chile, Cuba, Mexico, and Venezuela. Topics include the rise of populism and import-substituting industrialization, revolutions and revolutionary movements, the causes and consequences of military rule, the politics of economic reform, democratic transitions, and democratic consolidation. The course analyzes these phenomena from a variety of different theoretical perspectives, including cultural, dependency, institutionalist, and leadership-centered approaches.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Cross-listed Courses

[Economics 1370. Media, Democracy and Economics - \(New Course\)](#)

[Foreign Cultures 48. The Cultural Revolution](#)

[Historical Study B-64. The Cuban Revolution, 1956-1971: A Self-Debate](#)

[History 1281. The End of Communism - \(New Course\)](#)

[Social Analysis 52. The Political Economy of Development](#)

[Societies of the World 17 (formerly Social Studies 50). Genocide]

[Societies of the World 32 \(formerly Historical Study A-73\). The Political Development of Western Europe](#)

Primarily for Graduates

[***Government 2105. Comparative Politics: Field Seminar**](#)

Catalog Number: 0154

Steven R. Levitsky and Daniel F. Ziblatt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Surveys topics in comparative politics (both the developed and the developing world), including the rise of the modern state; institutions of government; interest mediation; democracy and authoritarianism; revolution; political parties; mass and elite political behavior; political economy.

Note: Preference given to FAS Government graduate students.

[Government 2122. Civil Wars: Theory and Policy]

Catalog Number: 0885

Monica D. Toft (Kennedy School)

Half course (spring term). Hours to be arranged.

This course introduces students to the theoretical and comparative study of civil wars. The course aims to provide students with solid analytical and historical foundations and highlight the policy dilemmas associated with civil wars.

Note: Expected to be given in 2010–11. Open to junior and senior undergraduates with permission of instructor. Offered jointly with the Kennedy School as IGA-315. Meets at the Kennedy School.



[Government 2123. International Courts]

Catalog Number: 1527

Jens Meierhenrich

Half course (spring term). Hours to be arranged.

This seminar provides an introduction to the role of courts in municipal and international law, with particular reference to their evolution and effects.

Note: Expected to be given in 2010–11.

***Government 2125. Religion and Global Politics - (New Course)**

Catalog Number: 35165

Monica D. Toft (Kennedy School)

Half course (spring term). M., W., 4–6. EXAM GROUP: 9

Religion is clearly a force to be reckoned with in global politics. Yet, its connection is not well understood. This course examines the conditions under which religion contributes to conflict or cooperation in international politics.

Note: Open to junior and senior undergraduates with permission of instructor. Offered jointly with the Kennedy School as IGA-315. Meets at the Kennedy School.

Government 2131. Comparative Politics of Latin America

Catalog Number: 3337

Jorge I. Domínguez and Steven R. Levitsky

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Topics: historical paths, economic strategies, inflation and exchange rates, international explanations of domestic outcomes, authoritarian and democratic regimes, state institutions, the Roman Catholic Church, social movements, parties and party systems, and voters and voting behavior.

Note: Expected to be omitted in 2010-2011.

[*Government 2136. Political Regimes and Regime Change]

Catalog Number: 5702 Enrollment: Limited to 15.

Steven R. Levitsky and Daniel F. Ziblatt

Half course (fall term). Hours to be arranged.

This course examines theoretical approaches to democratization, evaluating them in light of historical and contemporary cases. We examine themes such as the relationship of free markets/democracy, the proliferation of hybrid regimes, and authoritarian persistence.

Note: Expected to be given in 2010–11.

[Government 2148. Civil Society, West and East]

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Hours to be arranged.

Focusing in particular on European and Asian settings, the seminar examines debates over what civil society is, notions of public space and social capital, and the role of civil society in political transitions.

Note: Expected to be given in 2010–11.



[*Government 2158. Political Institutions and Economic Policy]

Catalog Number: 6448 Enrollment: Limited to 16.

Kenneth A. Shepsle and Jeffry Frieden

Half course (spring term). Hours to be arranged.

We explore the role of political institutions in the formation, implementation, and regulation of economic policy. Theories from positive political theory and comparative and international political economy are examined and applied to substantive issue areas.

Note: Expected to be given in 2010–11.

[*Government 2160. Politics and Economics]

Catalog Number: 7780 Enrollment: Limited to 15.

James E. Alt and Torben Iversen

Half course (fall term). Hours to be arranged.

Covers the political economy of policymaking and institutional change. Readings include a mixture of foundational approaches and recent research, covering a variety of methodological perspectives. The topical emphasis is on democracy, accountability, inequality, redistribution, and growth.

Note: Expected to be given in 2010–11.

Government 2172. Nationalism and Democracy in Europe (and beyond): Seminar - (New Course)

Catalog Number: 20927

Hans-Jurgen Puhle

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Examines theoretical approaches to and empirical cases of nationalist movements and politics in their interactions with modern state building and democracy. Topics include functions of nationalism(s) in multi-ethnic states, in democratic transitions, and vis-à-vis supranational integration.

[Government 2176. Politics of Social Inequality in the Developed Democracies]

Catalog Number: 7083 Enrollment: Open to qualified undergraduates

Peter A. Hall

Half course (spring term). Hours to be arranged.

Considers competing perspectives on the social well being of nations and its determinants. Topics include: the politics of inequality in the development of democracy, the electoral causes and consequences of inequality, change in varieties of capitalism, the impact of culture and institutions on inequalities of income and health, with a focus on Europe and the OECD countries.

Note: Expected to be given in 2010–11.

Government 2179 (formerly Government 2095). Institutional Innovations for Liberal Democracies: Seminar - (New Course)

Catalog Number: 53846

Claus Offe

Half course (spring term). W., 4–6. EXAM GROUP: 9

Citizens' disaffection and policy elites' ineffectiveness are key complaints about the working of



Western democracies, sometimes dubbed "post-democracies". The course will review institutional remedies as suggested by "deliberative" theorists and "participatory" practitioners of liberal democracy.

[Government 2213. Comparative Politics of Post-Socialism]

Catalog Number: 6876

Timothy J. Colton and Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

A research seminar designed to define an agenda for the comparative analysis of political developments among post-socialist systems. Emphasis placed on the formation of research proposals, methods of analysis, theory-building, and the presentation of comparative empirical research.

Note: Expected to be given in 2010–11.

***Government 2216 (formerly *Government 90fh). Comparative Politics of the Post-Soviet States - (New Course)**

Catalog Number: 94675 Enrollment: Limited to 15. Undergraduates accepted with consent of instructor.

Sener Akturk

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Soviet politics from Lenin to Gorbachev, and the transition to market economy and competitive elections in, and the territorial dissolution of, the Soviet Union are covered at first. Constitutional design and political parties; ethnicity, nationalism, and secessionism; varieties of political economic configurations; international relations; social structure and civil society; questions of "stateness" and state breakdown; religion and politics; and the quest for national identities in the post-Soviet states are among the topics to be discussed.

Government 2222. Islam in the West After 9/11: Religion, Law, Politics: Seminar - (New Course)

Catalog Number: 42567 Enrollment: Limited to 15.

Jocelyne Cesari (Divinity School)

Half course (fall term). Hours to be arranged.

This course looks at the politics and rhetoric of policy makers that shape the situation of Muslim minorities in the West, as well as premier data and case studies related to their attitudes and experience.

Note: Offered jointly with the Divinity School as 3943. Meets at the Divinity School.

[Government 2227. The Politics and Economics of Africa]

Catalog Number: 8307 Enrollment: Open to juniors and seniors with instructor's permission.

Nahomi Ichino

Half course (fall term). Hours to be arranged.

Examines social science research on the politics and political economy of Africa.

Note: Expected to be given in 2010–11.

[Government 2262. Politics and Political Economy in Japan]

Catalog Number: 7446



Susan J. Pharr

Half course (spring term). Hours to be arranged.

Japanese politics and political economy in comparative perspective. Analyzes the: 1955 system and post-1993 changes; political economy debates; changing role of parties and bureaucracy; electoral system effects; social policy choices; and problems of marginality.

Note: Expected to be given in 2011–12. Open to qualified undergraduates.

Government 2284. Chinese Authors on Chinese Politics

Catalog Number: 7556

Roderick MacFarquhar

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of how PRC authors have analyzed the politics of their country and comparisons with relevant Western accounts.

Note: Open to qualified undergraduates.

Prerequisite: A good reading knowledge of Chinese and previous course work on Chinese politics.

***Government 2285. Political Science and China**

Catalog Number: 1566

Elizabeth J. Perry

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This graduate seminar gives students control over the secondary literature on Chinese politics, with special attention to competing theoretical and methodological approaches.

Note: Requires background in contemporary Chinese history / politics.

Cross-listed Courses

Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis

American Government, Public Law and Administration

For Undergraduates and Graduates

Government 1310. Introduction to Congress - (New Course)

Catalog Number: 33915

Matthew B. Platt

Half course (spring term). M., W., at 10. EXAM GROUP: 3

This course seeks to provide students with a comprehensive introduction to Congress. The first half of the course addresses the nuts and bolts of how Congress operates in terms of foundational theories, the committee system, congressional elections, and congressional procedures. In the second half of the course we will apply this knowledge to an exploration of how and why Congress pays attention to certain issues rather than others. Students are encouraged to view Congress not only as an institution unto itself but also as an institution that interacts with a variety of actors to shift public policy.



Government 1358. Presidential Power in the United States - (New Course)

Catalog Number: 65711

Carlos E. Díaz Rosillo

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Analyzes the origins and evolution of presidential power in the United States. Studies the powers of the President and how those powers translate into power. Examines and evaluates the most prominent political science theories, scholarly debates, and public controversies about presidential power. Explores the strategic choices available to modern American presidents in their efforts to augment the power of the presidency and provide active leadership to the political system.

Government 1362. Democratic Citizenship Public Opinion and Participation in the US

Catalog Number: 8628

Claudine Gay

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Course examines the nature of public opinion and political participation. Considers how people acquire, organize, and apply their political beliefs; historical and contemporary patterns of public opinion, with emphasis on conflicts of values and social groups; who votes and why; the role of the media and political campaigns in mobilization and in formation of public opinion; and linkage between opinion, participation, and policy, with attention to whether citizens can discharge the responsibilities of democratic citizenship.

Government 1368. The Politics of American Education

Catalog Number: 8971

Martin Raymond West

Half course (fall term). Hours to be arranged.

This course examines the politics of education in the United States. It considers the key institutions (e.g. school districts, mayors, states, Congress, and courts) and actors (e.g. elected officials, parents, teachers, interest groups, and the general public) shaping the American K-12 education system in order to understand recent reform efforts and their consequences for students. We will look closely at past conflicts over education governance, ongoing policy challenges, and the forces shaping current reform efforts.

Note: Offered jointly with the Kennedy School of Government as HLE-347. Course to meet at the Harvard Graduate School of Education.

[Government 1510. The Constitution and the American Political System]

Catalog Number: 0383

Sanford V. Levinson

Half course (fall term). Hours to be arranged.

This course will focus on the principal features of the United States Constitution that structure the American political system. Most of these, such as bicameralism, are never the subject of litigation and, therefore, of any cases decided by the United States Supreme Court. The central question, inevitably, is whether constitutional structures really "matter," and, if so, what the consequences are. Although the focus will be the United States Constitution, the course will inevitably have a comparative dimension, along two quite different lines. One of the assigned books, for example, will look at the "American State Constitutional Tradition," and we will look



at some of the decidedly different choices made by various states. (Nebraska, for example, has operated with only a unicameral legislature for over 75 years.) But we will also look at least intermittently at other national constitutions as well, especially, for example, with regard to different approaches toward the subject of "emergency powers" or suspension of ordinary constitutional rights.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning

Government 1511. The Constitution and the American Political System - (New Course)

Catalog Number: 90593

Sanford V. Levinson

Half course (fall term). M., W., 1-2:30. EXAM GROUP: 6, 7

This course will focus on the principal features of the United States Constitution that structure the American political system. Most of these, such as bicameralism, are never the subject of litigation and, therefore, of any cases decided by the United States Supreme Court. The central question, inevitably, is whether constitutional structures really "matter," and, if so, what the consequences are. Although the focus will be the United States Constitution, the course will inevitably have a comparative dimension, along two quite different lines. One of the assigned books, for example, will look at the "American State Constitutional Tradition," and we will look at some of the decidedly different choices made by various states. (Nebraska, for example, has operated with only a unicameral legislature for over 75 years.) But we will also look at least intermittently at other national constitutions as well, especially, for example, with regard to different approaches toward the subject of "emergency powers" or suspension of ordinary constitutional rights.

Note: This course, when taken for a letter grade, meets the Core requirement for Moral Reasoning.

Government 1521. Bureaucratic Politics: Government, Economic, Social and Military Organizations

Catalog Number: 6271

Daniel P. Carpenter

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A theoretical and historical analysis of bureaucratic organizations in various domains of modern society, including military organizations, business corporations, non-profit organizations, regulatory agencies, executive departments, and religious organizations. Theories include institutional, transaction-cost, reputation-based, and cultural theories of formal organizations. Readings and cases will include the US Army and other militaries, the business corporation in industrializing America and today, the FDA and the Forest Service, the Catholic Church, and police and educational organizations.

[Government 1524. Agenda Setting in Congress]

Catalog Number: 1092

Matthew B. Platt

Half course (spring term). Hours to be arranged.

This course is interested in understanding how and why Congress pays attention to certain issues rather than others. The intent is to provide a comprehensive look at the roles of institutional



design, citizen participation, political entrepreneurship, and media coverage in placing issues onto the congressional agenda. Students will be encouraged to integrate knowledge from a variety of subfields in American politics to offer a broader view of how issues are placed onto the congressional agenda - and ultimately - shift public policy.

Note: Expected to be given in 2010–11.

Government 1535. Supreme Court & American Politics - (New Course)

Catalog Number: 15312

Ryan James Owens

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course provides undergraduates with a systematic understanding of the Supreme Court from a social science perspective. We examine issues regarding judicial process and politics, and how various actors attempt to achieve their goals within a broader institutional framework.

Government 1540. The American Presidency

Catalog Number: 4925

Roger B. Porter (Kennedy School)

Half course (fall term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Course analyzes the development and modern practice of presidential leadership. Examines the institutional presidency, presidential selection, decision making, and the relationship of the presidency with the executive branch, Congress, courts, interest groups, the press and the public. Considers the political resources and constraints influencing the President's ability to provide leadership in the US political system.

Note: Offered jointly with the Kennedy School as DPI-115. Meets at FAS.

***Government 1597. Advanced Topics in Health Policy**

Catalog Number: 2981 Enrollment: Limited to 20.

Daniel P. Carpenter

Half course (spring term). W., 4–6. EXAM GROUP: 9

Explores current issues in national and global health care policy. Topics have included: the politics of health care reform, the politics of special interests, pharmaceutical policy, comparative health systems, cost containment, global health, racial and ethnic disparities in care, quality measurement and improvement, income inequality and health, and organizational influences on care quality. A research paper will be required.

Prerequisite: Extra-Departmental Courses 186 (formerly General Education 186).

Cross-listed Courses

[African and African American Studies 128. Black Nationalism]

Environmental Science and Public Policy 78. Environmental Politics

Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969

[Moral Reasoning 74. The Theory and Practice of Republican Government]

[Social Analysis 54. American Society and Public Policy]

[Social Analysis 66. Race, Ethnicity, and Politics in the United States]

Primarily for Graduates



***Government 2305. American Government and Politics: Field Seminar**

Catalog Number: 2305

Daniel P. Carpenter and Matthew B. Platt

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Designed to acquaint PhD candidates in Government with a variety of approaches that have proved useful in examining important topics in the study of American government and politics.

Government 2310. Social Capital and Public Affairs: Research Seminar

Catalog Number: 7051

Robert D. Putnam

Half course (spring term). W., 4–6. EXAM GROUP: 9

Topics in the relationship between politics and civil society in the US.

Note: Offered jointly with the Kennedy School as DPI-360. Meets at the Kennedy School.

[*Government 2314. Topics in American Political Behavior]

Catalog Number: 8452 Enrollment: Open to PhD students only

Claudine Gay

Half course (spring term). Hours to be arranged.

Course surveys field of political behavior, emphasizing recent developments in literature. Topics include uncertainty; opinion change and learning; partisanship and ideology; salience of race and social identity; participation; links between public opinion, elections, and policy.

Note: Expected to be given in 2010–11.

Government 2328. Electoral Politics - (New Course)

Catalog Number: 76072

Stephen Daniel Ansolabehere

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This seminar examines the politics of U.S. elections, with emphasis on theoretical models of electoral competition and empirical research of voting behavior and election outcomes. The first third of the seminar examines voter behavior, the second third of the seminar electoral competition among parties and candidates and aggregate election results, and the final third of the seminar examines electoral institutions and laws. Specific topics include party competition, incumbency advantages, electoral districts, campaign finance, issue and economic voting, and electoral accountability. Understanding of statistics strongly recommended. Open to qualified undergraduates with permission of instructor.

***Government 2340b. Social Policy II**

Catalog Number: 5491

Theda Skocpol and Christopher Jencks (Kennedy School)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Considers the effects of policies and institutions in creating or reducing inequality in the US and other advanced democracies, as well as the reciprocal effects of inequality on political activity and policy choices.

Note: Offered jointly with the Kennedy School as HLE-512.



[Government 2351. The United States Supreme Court]

Catalog Number: 7351

Ryan James Owens

Half course (spring term). Hours to be arranged.

This course provides graduate students with a systematic understanding of the Supreme Court as an institution. We examine issues regarding judicial process and politics, and how participants attempt to achieve their goals within institutional constraints.

Note: Expected to be given in 2010–11.

Government 2352. The Politics of the Supreme Court - (New Course)

Catalog Number: 81941

Ryan James Owens

Half course (spring term). Hours to be arranged.

This course provides law and graduate students with a systematic understanding of the Supreme Court from a social science perspective.

Note: Offered jointly with the Harvard Law School as LAW-. Meets at the Law School.

***Government 2360. Obama's Agenda and the Dynamics of U.S. Politics: Seminar - (New Course)**

Catalog Number: 51678 Enrollment: Limited to 16.

Theda Skocpol

Half course (spring term). M., 2–4.

Dissects political forces affecting the fate of Obama's priorities in health care, financial regulation, environment, immigration, higher education, tax/revenue reform, labor reform, and citizen engagement. Students are expected to develop and present their own research.

Note: Open, with instructor's permission, to graduate students and advanced undergraduate students.

[*Government 2490. The Political Economy of the School]

Catalog Number: 3399

Paul E. Peterson

Half course (fall term). Hours to be arranged.

Examination of political and economic influences on education policy and governance.

Background in statistics expected.

Note: Expected to be given in 2010–11. Limited enrollment. Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government. Government 1368 required or permission of instructor. Offered jointly with the Kennedy School as HLE-348. Meets at the Kennedy School.

Government 2576. Racial and Ethnic Politics in the United States

Catalog Number: 7260

Jennifer L. Hochschild and Claudine Gay

Half course (spring term). M., 4–6.

The course begins with the history and structure of the classic Black-White binary, then addresses ways in which it must be rethought to include other groups, mainly Asians and Latinos. Issues include racialization, immigrant incorporation, political coalitions and conflict,



racial mixture, and links between race, class, gender, and ideology. Focuses on the United States but includes comparisons with Europe, Latin America, and South Africa.

International Relations

For Undergraduates and Graduates

Government 1730. War and Politics

Catalog Number: 6806

Stephen P. Rosen

Half course (fall term). Tu., Th., 2-4. EXAM GROUP: 16, 17

Explores the organized use of violence for the purposes of the state, with particular attention paid to the question of strategy and the sources of victory.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Government 1732. The Origins of Modern Wars

Catalog Number: 7668

Stephen Martin Walt (Kennedy School)

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

This course explores the causes of war. It examines the different theories that have been devised to explain organized violence between states (or groups seeking to control a state), and evaluates these competing theories by exploring several major conflicts of the past 100 years: World War I, World War II, the Cold War, the Arab-Israeli conflict, and the recent wars in the Persian Gulf. The course also considers the phenomenon of ethnic conflict, the implications of nuclear weapons and the question of whether large-scale war is becoming "obsolescent."

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Government 1740. International Law

Catalog Number: 7406

Jens Meierhenrich

Half course (spring term). F., 2-4. EXAM GROUP: 7, 8

An introduction to public international law for students of international relations. The primary purpose is to enhance students' understanding of the ways in which international law orders international politics. Emphasis is on the substantive rules of international law, the relationship between law and politics, and cases that illustrate the issues. Topics include international human rights law, international economic law and institutions, the use of force, war crimes, and terrorism.

***Government 1760. International Relations of East Asia**

Catalog Number: 2733 Enrollment: Limited to 50.

Alastair Iain Johnston

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Introduction to the historical, military, political, economic, and cultural features of interstate relations in East Asia and the Pacific. The course also presents some theoretical and



methodological tools for more systematic analysis of these issues. The goal is to understand changing levels of conflict and cooperation in the region.

Government 1765. Asia-Pacific Security - (New Course)

Catalog Number: 47108

Christopher William Hughes

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Surveys key security dynamics, actors and issues in the Asia-Pacific. Topics include: the US alliance system in the Asia-Pacific; China's military rise; Japanese militarization; the security capabilities of the Koreas and Southeast Asia, Australia, and Russia; insurgency and transnational terrorism; territorial disputes; North Korea and Taiwan; nuclear proliferation; MD; arms races; maritime security, energy security, and transnational crime; and multilateral security. All issues are studied in conjunction with major paradigmatic and critical theoretical approaches.

Government 1780. International Political Economy

Catalog Number: 0272

Jeffrey Frieden

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Analyzes the interaction of politics and economics in the international arena. Focuses on international trade, investment, monetary, and financial relations. Includes discussion of developed, developing, and formerly centrally-planned nations.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

[*Government 1795 (formerly *Government 90q). US–Latin American Relations: Seminar]

Catalog Number: 5153 Enrollment: Limited to 16.

Jorge I. Domínguez

Half course (fall term). Hours to be arranged.

A study of political and economic relations between the United States and Latin American countries, and of the international relations of Latin America since 1960. Attention also given to foreign policy decision making in the US and Latin America, and to alternative approaches to the study of international relations and foreign policy.

Note: Expected to be given in 2010–11.

[Government 1982. Chinese Foreign Policy, 1949–2007]

Catalog Number: 8908

Alastair Iain Johnston

Half course (fall term). M., W., 2-3:30.

Introduction to the descriptive history of China's international relations with special focus on different theoretical explanations for changes in foreign policy behavior (e.g. polarity, history, ideology, leadership, bureaucracy, among others).

Note: Expected to be given in 2010–11. No prior background in China or international relations theory required.

Cross-listed Courses



French 190. Albert Camus

[Historical Study A-51. The Modern World Economy, 1873-2000]

History 1465 (formerly History 1650b). The United States in the World, since 1900

[Moral Reasoning 28. Ethics and International Relations]

Primarily for Graduates

***Government 2710. International Relations: Field Seminar**

Catalog Number: 8310

Alastair Iain Johnston

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

A survey of the field. Suitable for students preparing for general examinations.

Note: Limited to Government graduate students.

[Government 2735. Empirical Models in International Relations]

Catalog Number: 9499

Muhammet Ali Bas and Beth A. Simmons

Half course (fall term). Hours to be arranged.

This course examines statistical issues relevant to the study of international politics. The purpose is to familiarize students with different models that have been employed in research on international conflict, IPE and international institutions.

Note: Expected to be given in 2010–11.

[Government 2752. Formal Modeling in International Relations]

Catalog Number: 3764

Muhammet Ali Bas

Half course (spring term). Hours to be arranged.

This course is intended for advanced graduate students interested in the formal analysis of international relations. The goal is to expose students to the advantages and limitations of mathematical formalization in international relations.

Note: Expected to be given in 2011–12.

Government 2755. International Political Economy

Catalog Number: 7392

Jeffrey Frieden and Michael J. Hiscox

Half course (fall term). M., 4–6. EXAM GROUP: 9

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, and investment policies.

Government 2776. Japan and East Asian Security - (New Course)

Catalog Number: 62215

Christopher William Hughes

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

How does Japan's remilitarization impact upon East Asia? Topics include: Japan's strategy and policy-making; JSDF military power; the US-Japan alliance; Japan and North Korea, China and Southeast Asia; defense production; Japan's nuclear policy; and multilateral security.



Government 2782. State Failure and Civil War

Catalog Number: 0742

Robert H. Bates

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

The study of modern works on civil wars, terrorism, and state failure.

***Government 2790. Central Issues of American Foreign Policy**

Catalog Number: 3567

Graham T. Allison, Jr. (Kennedy School)

Half course (spring term). M., 6–9 p.m. EXAM GROUP: 9

This seminar is designed for advanced students with a serious professional interest in international security. It presumes prior coursework and/or experience in foreign and national security policymaking. The primary objective of the course is to enhance participants' capabilities to analyze and strategize about foreign and national security policy challenges. These challenges will be addressed primarily at the international level in terms of real-world threats and opportunities and strategic options for the U.S. government as if it were a unitary, rational chess master. In addition, however, the course will examine challenges of strategic analysis at two further levels: (1) inside the government's policymaking process; and (2) within a larger democratic political system that requires communication to major constituencies to sustain public support. The course combines concepts and theories with operational assignments. While the seminar will cover a number of current central challenges of American foreign policy, these will be used primarily as examples for the purpose of developing analysis and strategies.

Note: Offered jointly with the Kennedy School as IGA-201. Meets at the Kennedy School.

Government 2881. Mass Media, Public Opinion, and Foreign Policy

Catalog Number: 7305

Matthew Baum (Kennedy School)

Half course (fall term). Hours to be arranged.

This course investigates whether, how, and to what extent the mass media and public opinion interact with each other and with political leaders in order to influence the conduct of foreign policy.

Note: Offered jointly with the Kennedy School as DPI-611. Meets at the Kennedy School.

[Government 2900. US–Latin American Relations]

Catalog Number: 8020

Jorge I. Domínguez

Half course (fall term). Hours to be arranged.

Studies US–Latin American political, military, and economic relations and Latin American international relations. Includes foreign policy decision making in the US and Latin America and alternative approaches to the study of the subject.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391



James E. Alt 1593, Stephen Daniel Ansolabehere 6377 (spring term only), Robert H. Bates 1251, Eric Beerbohm 5558 (on leave 2009-10), Daniel P. Carpenter 4509, Timothy J. Colton 2269 (on leave 2009-10), Jorge I. Domínguez 3823, Grzegorz Ekiert 2718 (on leave 2009-10), Jeffry Frieden 1627 (on leave spring term), Claudine Gay 5485, Adam Glynn 5600, Peter A. Hall 7272 (on leave spring term), Michael J. Hiscox 4104 (on leave spring term), Jennifer L. Hochschild 3785 (on leave fall term), Stanley Hoffmann 1757, Nahomi Ichino 5316 (on leave fall term), Torben Iversen 1250, Alastair Iain Johnston 3213, Gary King 1723, Steven R. Levitsky 2395, Roderick MacFarquhar 7856, Harvey C. Mansfield 1731, Eric M. Nelson 5345, Elizabeth J. Perry 3074, Paul E. Peterson 2114 (on leave 2009-10), Susan J. Pharr 1518, Robert D. Putnam 6193, James Robinson 5022, Michael E. Rosen 5610 (on leave spring term), Stephen P. Rosen 2721, Nancy Lipton Rosenblum 3786, Pedram Safari 5849, Michael J. Sandel 7065 (on leave spring term), Kenneth A. Shepsle 1421 (on leave spring term), Beth A. Simmons 4487 (on leave 2009-10), Theda Skocpol 1387, Sumeeta Srinivasan 5215, Dennis F. Thompson 1426, Richard Tuck 1704, and Daniel F. Ziblatt 4641

Note: Requires written work of sufficient quantity and quality so that the course is equivalent to a lecture course or a seminar. Students who want supervised reading without substantial written work should take TIME-C (catalog number 8899) instead.

***Government 3000a. Reading and Research Seminar**

Catalog Number: 4143

Members of the Department

Small seminar on special topics. May be arranged with faculty listed under Government 3000. Requires written work as does Government 3000, but also involves regular class meetings.

Research Workshops

All Department of Government graduate students who have passed generals are eligible to enroll in one of the following research workshops. Others may attend with permission of instructor.

***Government 3004. Research Workshop in American Politics**

Catalog Number: 8566

Stephen Daniel Ansolabehere 6377, Ryan James Owens 6120, and Theda Skocpol 1387

Full course (indivisible). Th., 2–4. EXAM GROUP: Fall: 16, 17

A forum for the presentation and discussion of research in progress by graduate students (second year and above), faculty, and visiting scholars. Anyone working on contemporary American politics or on US political development welcome. Occasional presentations by invited speakers.

***Government 3005b. Research Workshop in International Relations: New Approaches to Security Studies**

Catalog Number: 1016

Alastair Iain Johnston 3213

Full course (indivisible). .

Research workshop for advanced graduate students working on dissertation proposals in security studies.



***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Susan J. Pharr 1518 and Prerna Singh 6311

Full course (indivisible). W., 4–6.

The workshop offers advanced graduate students an opportunity to present their work-in-progress, benefit from critiques of it, and discuss theoretical and methodological issues.

Note: Doctoral students from other departments and faculties admitted if space permits.

***Government 3007. Research Workshop in Political Economy**

Catalog Number: 0968

James E. Alt 1593 and Torben Iversen 1250

Full course (indivisible). M., 12–2.

Intended for graduate students in the third year and above, this course welcomes scholarship of all types and on all aspects of political economy. Intended to provide a venue in which to develop and to debate work in progress.

***Government 3008. Research Workshop in Political Theory**

Catalog Number: 1704

Michael Frazer 5886 and Dennis F. Thompson 1426

Full course (indivisible). Fall: W., 4–6.

***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Alberto Abadie (Kennedy School) 5277, Lee Fleming (Business School) 3839, Guido W. Imbens 2671, Gary King 1723, James M. Robins (Public Health) 1492, Donald B. Rubin 7966, Bruce Western 5763, and Christopher Winship 3189 (on leave spring term)

Full course (indivisible). W., 12–2.

A forum for graduate students, faculty, and visiting scholars to present and discuss work in progress. Features a tour of Harvard's statistical innovations and applications with weekly stops in different disciplines. Occasional presentations by invited speakers.

Health Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Doctor of Philosophy in Health Policy

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*) (*Chair*)

John Zaven Ayanian, Professor of Health Care Policy and of Medicine (*Medical School*) and



Professor in the Department of Health Policy and Management (*Public Health*)
 Katherine Baicker, Professor of Health Economics (*Public Health*)
 Robert J. Blendon, Professor of Health Policy and Political Analysis (*Public Health, Kennedy School*)
 David Bloom, Clarence James Gamble Professor of Economics and Demography (*Public Health*)
 Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences
 Daniel P. Carpenter, Allie S. Freed Professor of Government
 Amitabh Chandra, Professor of Public Policy (*Kennedy School*)
 Michael Chernew, Professor of Health Care Policy (*Medical School*)
 Nicholas A. Christakis, Professor of Sociology (FAS), Professor of Medical Sociology in the Department of Health Care Policy (*Medical School*) (*on leave spring term*)
 I. Glenn Cohen, Assistant Professor of Law (*Law School*)
 David M. Cutler, Otto Eckstein Professor of Applied Economics
 Norman Daniels, Mary B. Saltonstall Professor of Population Ethics and Professor of Ethics and Population Health (*Public Health*)
 Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)
 Arnold M. Epstein, John H. Foster Professor of Health Policy and Management (*Public Health*) and Professor of Medicine and Health Care Policy (*Medical School*)
 Majid Ezzati, Associate Professor of International Health (*Public Health*)
 Erica M. Field, Assistant Professor of Economics, Associate Professor of Economics (*on leave spring term*)
 Richard G. Frank, Margaret T. Morris Professor of Health Care Policy (*Medical School*)
 Guy S. Gazelle, Professor of Radiology (*Medical School*) and Professor in the Department of Health Policy and Management (*Public Health*)
 Susanne J. Goldie, Roger Irving Lee Professor of Public Health (*Public Health*)
 David C. Grabowski, Associate Professor of Health Care Policy (*Medical School*)
 James K. Hammitt, Professor of Economics and Decision Sciences (*Public Health*)
 Robert S. Huckman, Associate Professor of Business Administration (*Business School*)
 Haiden A. Huskamp, Associate Professor of Health Care Policy (*Medical School*)
 Guido W. Imbens, Professor of Economics
 Ashish Kumar Jha, Assistant Professor of Health Policy and Management (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
 Nancy M. Kane, Professor of Management (*Public Health*)
 Jane Jooyun Kim, Assistant Professor of Health Decision Science (*Public Health*)
 Gary King, David Florence Professor of Government, Albert J. Weatherhead, III University Professor
 Michael R. Kremer, Gates Professor of Developing Societies (*on leave fall term*)
 Bruce E. Landon, Associate Professor of Health Care Policy and of Medicine (*Medical School*)
 Peter V. Marsden, Harvard College Professor, Edith and Benjamin Geisinger Professor of Sociology
 Marie C. McCormick, Professor of Pediatrics (*Medical School*) and Sumner and Esther Feldberg Professor of Maternal and Child Health (*Public Health*)
 Thomas G. McGuire, Professor of Health Economics (*Medical School*)



Barbara J. McNeil, Ridley Watts Professor of Health Care Policy and Professor of Radiology (*Medical School*)
John Michael McWilliams, Assistant Professor of Medicine (*Medical School*)
Michelle M. Mello, C. Boyden Gray Associate Professor of Health Policy and Law (*Public Health*)
Carl N. Morris, Professor of Statistics
Sharon-Lise T. Normand, Professor of Health Care Policy (*Medical School*) and Professor in the Department of Biostatistics (*Public Health*)
Gary Pisano, Harry E. Figgie, Jr. Professor of Business Administration (*Business School*)
Meredith B. Rosenthal, Associate Professor of Health Economics and Policy (*Public Health*)
Donald B. Rubin, John L. Loeb Professor of Statistics
Joshua A. Salomon, Associate Professor of International Health (*Public Health*)
Stephen B. Soumerai, Professor of Ambulatory Care and Prevention (*Medical School*)
David G. Stevenson, Assistant Professor of Health Policy (*Medical School*)
B. Katherine Swartz, Professor of Health Policy and Economics (*Public Health*)
Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management and Biostatistics (*Public Health*) and Professor of Medicine (*Medical School*, *Public Health*)
Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)
Richard J. Zeckhauser, Frank Plimpton Ramsey Professor Professor of Political Economy (*Kennedy School*)

Graduate Program in Health Policy

The PhD in Health Policy, awarded by the Faculty of Arts and Sciences, draws upon the resources of six Harvard faculties: the Faculty of Arts and Sciences, Harvard School of Public Health, Harvard Medical School, Harvard Kennedy School, Harvard Law School, and Harvard Business School. This degree is intended primarily for students seeking teaching careers in institutes of higher learning and/or research careers in policy.

Students in the PhD Program in Health Policy choose a concentration and meet specific curriculum requirements in one of seven disciplines: decision sciences, economics, ethics, evaluative science and statistics, management, medical sociology, or political analysis. In addition to choosing a concentration, students specialize in one of five areas of policy interest: environmental health, health care services, international health, mental health, or public health.

Decision Sciences (Professor Milton C. Weinstein, Chair). Decision sciences are the collection of quantitative techniques that are used for decision making at the individual and collective level. They include decision analysis, risk analysis, cost-benefit and cost-effectiveness analysis, decision modeling, and behavioral decision theory, as well as parts of operations research, microeconomics, statistical inference, management control, cognitive and social psychology, and computer science. The concentration in decision sciences prepares students for research careers that involve the application of these methods to health problems.

Economics (Professor Joseph P. Newhouse, Chair). The concentration in economics focuses on the economic behavior of individuals, providers, insurers, and international, federal, state, and



local governments and actors as their actions affect health and medical care. In addition to examining the literature on health economics, the training emphasizes microeconomic theory, econometrics, and interactions with other disciplines, including clinical medicine. The concentration prepares students for research and teaching careers as health economists.

Ethics (Professor Norman Daniels, Chair). The ethics concentration integrates quantitative, qualitative, and normative approaches to the analysis of ethical issues in health policy and clinical practice. Increasingly, the investigation of ethical issues in medicine and health policy has not only drawn on normative ethics and political philosophy, but has included empirical research concerning attitudes and practices in clinical and broader institutional settings. A grasp of normative theories and tools is important because ethical principles and approaches underlie, explicitly or implicitly, the formulation of particular health policies at both the macro and micro level. Students in this track will focus on developing skills in a range of disciplines, with the goal of evaluating how ethical and socio-cultural values shape - and should shape - health policies as well as clinical and public health practices.

Evaluative Science and Statistics (Professor B. Stephen Soumerai and Professor Alan M. Zaslavsky, Co-Chairs). Training in this concentration in health service and policy evaluation will enable students to evaluate the effects of a wide range of health services and policies (e.g., insurance, health-care quality improvement, and cost-containment) on behaviors, access, processes and quality of care, health outcomes, or costs. Students in this concentration will develop proficiency in experimental and quasi-experimental research design, statistics, other methodological approaches (e.g., epidemiology, program evaluation, qualitative methods, and survey design), and relevant social sciences.

Management (Professor Amy C. Edmondson and Associate Professor Robert S. Huckman, Co-Chairs). The management concentration prepares students to do research on the organizational, managerial, and strategic issues facing health care providers, payers, and other players in the health care market. Students in this track will learn how theories and concepts from fields such as technology and operations management, organizational behavior, organizational economics, and competitive strategy can be applied to - and further developed for understanding - health care organizations.

Medical Sociology (Professor Nicholas A. Christakis and Professor Peter V. Marsden, Co-Chairs). In this concentration, students will learn about, and contribute to knowledge in, several research areas that are extremely important to health policy, including the study of professions and professional behavior, the structure of health care organizations and systems, the impact of organizational and professional change on the structure of medical work, organizational improvement programs and their evaluation, the diffusion of innovations across providers and organizations, and the behavior of patients and consumers - including consumer evaluations of health care quality and patient perspectives on the process and outcomes of care.

Political Analysis (Professor Robert J. Blendon, Chair). This concentration is intended for students who wish to do research on the relationship between politics and health policy. Students will study theories of individual opinion formation, voting behavior, legislative organization, and interest group formation. In addition, students will examine the role of public opinion, interest



groups, the media, and institutions in influencing health policy outcomes. The research methodologies most utilized in this track include survey research methods and quantitative statistical methods appropriate for large-scale databases.

Applications: Prospective students should visit the Graduate School of Arts and Sciences website at www.gsas.harvard.edu to apply online or to request an application. Important additional information on financial aid and other aspects of the PhD Program in Health Policy is available from Joan P. Curhan, Director, PhD Program in Health Policy (joan_curhan@harvard.edu) and Deborah Whitney, Associate Director, PhD Program in Health Policy (deborah_whitney@harvard.edu). Website: www.healthpolicy.fas.harvard.edu.

Health Policy Courses

Health Policy 2000. Core Course in Health Policy

Catalog Number: 4522

Joseph P. Newhouse (Kennedy School, Medical School, Public Health), Richard G. Frank (Medical School), and Alan M. Zaslavsky (Medical School)

Full course (indivisible). Tu., Th., 4–6. EXAM GROUP: 18

Topics include the financing and organization of health care, public health, political analysis, medical manpower, health law and ethics, technology assessment, prevention, mental health, long-term care, and quality of care.

Note: Required for doctoral candidates in Health Policy and open to others by permission of instructor. Offered jointly with the Kennedy School as HCP-597 and HCP-598 and with the School of Public Health as HPM 246.

***Health Policy 3000. Doctoral Dissertation Research**

Catalog Number: 8422

Members of the Committee

Dissertation research.

[*Health Policy 3002. Graduate Reading Course: Mental Health Policy]

Catalog Number: 3528

Richard G. Frank (Medical School) 1371

Participants discuss research on the politics surrounding health policy and examine how to apply existing work and methodological approaches to their own work.

Note: Expected to be given in 2010–11. Offered in alternate years.

***Health Policy 3010. First-Year Graduate Reading Course: Ethics**

Catalog Number: 9241

Norman Daniels (Public Health) 4722

Examines issues in ethics and health policy, including a basic account of justice and health; ethical critique of maximization methodologies, including cost-effectiveness analysis; individual and social responsibility for health; and other topics.

***Health Policy 3015. Second-Year Graduate Reading Course: Ethics**

Catalog Number: 4380



Norman Daniels (Public Health) 4722

Student-led course reviews basic issues in ethics, political philosophy, and their bearing on health policy and is important preparation for the qualifying examinations.

***Health Policy 3016hf. Graduate Reading Course on Rawls: Ethics - (New Course)**

Catalog Number: 25087

Norman Daniels (Public Health) 4722

Half course (throughout the year). W., 4:30-7 p.m.

Working through main themes in Rawls, readings draw on *A Theory of Justice*, *Political Liberalism*, *Justice as Fairness*, *Law of Peoples*, and some secondary sources.

[*Health Policy 3020. Graduate Reading Course: Political Analysis]

Catalog Number: 3781

Robert J. Blendon (Public Health, Kennedy School) 2712

Participants present their own ongoing research on the politics surrounding health policy and discuss recent research drawn from various methodological approaches. Graduate students, faculty, and visiting scholars are welcome to present research at all stages.

Note: Expected to be given in 2010–11. Offered in alternate years.

***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826

Nicholas A. Christakis (Medical School) 4459 (on leave spring term) and Peter V. Marsden 1797

***Health Policy 3040hf. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (throughout the year). .

***Health Policy 3060. Graduate Reading Course: Decision Sciences**

Catalog Number: 2133

Milton C. Weinstein (Medical School, Public Health) 3043

***Health Policy 3070. Graduate Reading Course: Economics**

Catalog Number: 7439

Joseph P. Newhouse (Kennedy School, Medical School, Public Health) 2425

***Health Policy 3080. Graduate Reading Course: Evaluative Science and Statistics**

Catalog Number: 9516

Stephen B. Soumerai (Medical School) 1906 and Alan M. Zaslavsky (Medical School) 1927

***Health Policy 3090. Graduate Reading Course: Management**

Catalog Number: 2492

Amy C. Edmondson (Business School) 4613 and Robert S. Huckman (Business School) 5234

Courses of Interest



[Economics 2458. Topics in Health Economics]

[Economics 2460. Health Economics Workshop](#)

[Economics 2465. Health Economics - \(New Course\)](#)

[*Economics 3460chf \(formerly *Economics 3460chf\). Research in Health Economics](#)

[*Extra-Departmental Courses 187. The Quality of Health Care in America](#)

[Quantitative Reasoning 24. The Business and Politics of Health](#)

[United States in the World 11. American Health Care Policy]

History

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*Chair*)

Emmanuel K. Akyeampong, Professor of History and of African and African American Studies
(*on leave 2009-10*)

David R. Armitage, Lloyd C. Blankfein Professor of History (*Director of Graduate Studies*)

Sven Beckert, Laird Bell Professor of History

David Blackbourn, Coolidge Professor of History

Ann M. Blair, Harvard College Professor, Henry Charles Lea Professor of History

Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*on leave 2009-10*)

Vincent Brown, Dunwalke Associate Professor of American History

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History

Nancy F. Cott, Jonathan Trumbull Professor of American History

Robert Darnton, Carl H. Pforzheimer University Professor

Emma Dench, Professor of the Classics and of History

Caroline M. Elkins, Professor of History

Drew Gilpin Faust, Lincoln Professor of History (FAS), President of Harvard University

Niall Ferguson, Laurence A. Tisch Professor of History and Professor of Business

Administration (FAS), William Ziegler Professor of Business Administration (*Business School*)

Andreas Fischer, Lecturer on History

Brett Flehinger, Lecturer on History

Alison F. Frank, John L. Loeb Associate Professor of the Social Sciences

Ivan Gaskell, Senior Lecturer on History

Andrew Gordon, Lee and Juliet Folger Fund Professor of History

Peter E. Gordon, Professor of History

James Hankins, Professor of History (*on leave spring term*)

Henrietta Harrison, Professor of History

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and



African American Studies

Patrice Higonnet, Robert Walton Goelet Professor of French History

Maya Jasanoff, Associate Professor of History

Andrew Jewett, Assistant Professor of History and of Social Studies (*on leave 2009-10*)

Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies

Christopher P. Jones, George Martin Lane Professor of the Classics and of History (*on leave 2009-10*)

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies

Samuel D. Kassow, Visiting Professor of History (*fall term only*)

Denise Khor, Lecturer on History

William C. Kirby, T. M. Chang Professor of China Studies and Spangler Family Professor of Business Administration (FAS), Harvard University Distinguished Service Professor

Mark A. Kishlansky, Frank B. Baird, Jr. Professor of History

James T. Kloppenberg, Charles Warren Professor of American History

Jill M. Lepore, David Woods Kemper '41 Professor of American History

Mary D. Lewis, Associate Professor of History

Robert Liberles, Weinstock Visiting Professor of Jewish Studies

Charles S. Maier, Leverett Saltonstall Professor of History

Erez Manela, Professor of History (*on leave spring term*)

Terry D. Martin, George F. Baker III Professor of Russian Studies

Kenneth R. Maxwell, Visiting Professor of History

Michael McCormick, Francis Goelet Professor of Medieval History

Lisa M. McGirr, Professor of History

Ian J. Miller, Assistant Professor of History (*on leave 2009-10*)

Roy Mottahedeh, Gurney Professor of History

Afsaneh Najmabadi, Francis Lee Higginson Professor of History and Professor of the Studies of Women, Gender, and Sexuality (*on leave 2009-10*)

Kelly A. O'Neill-Uzgir, Assistant Professor of History

E. Roger Owen, A. J. Meyer Professor of Middle East History

Steven Ozment, McLean Professor of Ancient and Modern History

Rodolfo Fasquelle Pastor, Visiting Professor of History

Ruth B. Phillips, William Lyon MacKenzie King Professor of Canadian Studies

Serhii Plokhii, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

Emma Rothschild, Jeremy and Jane Knowles Professor of History (*on leave spring term*)

Sergio Silva-Castaneda, Lecturer on History and on Social Studies

Daniel L. Smail, Professor of History (*Director of Undergraduate Studies*)

David Smith, Lecturer on History

Rachel St. John, Associate Professor of History

Judith Surkis, Associate Professor of History and of History and Literature

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History

Trygve Van Regenmorter Throntveit, Lecturer on History

Laurel Thatcher Ulrich, 300th Anniversary University Professor

Charlotte M. Walker, Lecturer on History

Other Faculty Offering Instruction in the Department of History



Asad A. Ahmed, Assistant Professor of Anthropology (*on leave spring term*)
 Bernard Bailyn, Adams University Professor, Emeritus and James Duncan Phillips Professor of Early American History, Emeritus
 Thomas N. Bisson, Henry Charles Lea Professor of Medieval History, Emeritus
 Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations
 John H. Coatsworth, Monroe Gutman Professor of Latin American Affairs, Emeritus
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
 Kathleen M. Coleman, Professor of Latin (*on leave 2009-10*)
 Albert M. Craig, Harvard-Yenching Professor of History, Emeritus
 Christine Desan, Professor of Law (*Law School*)
 Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)
 Carter J. Eckert, Yoon Se Young Professor of Korean History
 Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History
 Jeanne Follansbee Quinn, Lecturer on History and Literature
 Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations
 Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)
 David Neil Hempton, Alonzo L. McDonald Family Professor of Evangelical Theological Studies (*Divinity School*)
 Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
 Akira Iriye, Charles Warren Research Professor of American History
 Edward L. Keenan, Andrew W. Mellon Professor of History, Emeritus
 Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
 Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus
 Eric M. Nelson, Frederick S. Danziger Associate Professor of Government, Professor of Government
 Richard Pipes, Frank B Baird, Jr Professor of History, Emeritus
 Michael J. Puett, Professor of Chinese History
 Roman Szporluk, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History, Emeritus
 Stephan Thernstrom, Winthrop Professor of History, Emeritus
 Henri Zerner, Professor of History of Art and Architecture

Directed Study for Undergraduates

The Department makes available, so far as its resources permit, opportunity for individual instruction in fields of special interest in which a regular course is not offered.

***History 91r. Supervised Reading and Research**

Catalog Number: 1458

Daniel L. Smail and members of the department

Half course (fall term; repeated spring term). Hours to be arranged.

Limited to juniors and seniors. Students wishing to enroll must petition the DUS for approval, stating the proposed project, and must have the consent of the proposed instructor. Ordinarily, students are required to have taken some course work as background for their project.



Tutorials in History

***History 97. Sophomore Tutorial**

Catalog Number: 4469

Mark A. Kishlansky, Jill M. Lepore, and Laurel Thatcher Ulrich

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

Introduction to the ways in which historians recreate the past. Students will read prototypes of historical genres and write their own histories in alternating sessions. Discussion sections and small tutorials.

Note: Required of, and limited to, all History concentrators in the spring term of their sophomore year, as well as students pursuing a secondary field in History.

***History 99. Senior Thesis Tutorial**

Catalog Number: 5803

Trygve Van Regenmorter Throntveit

Full course. Hours to be arranged.

Research and writing the senior thesis in History.

Note: Required of, and ordinarily limited to, seniors completing the History concentration's thesis program. Permission must be obtained from the Tutorial Office.

Reading Seminars

Required for History concentrators; open to non-concentrators as well. Graduate students may enroll with the instructor's permission.

Primarily for Undergraduates

[*History 70a. Selves and Other Peoples in Classical Antiquity]

Catalog Number: 7086 Enrollment: Limited to 12.

Emma Dench

Half course (fall term). Hours to be arranged.

Explores questions of what it meant to be Greek, Athenian, Roman, Jewish or Christian in classical antiquity, in what contexts identities were articulated, and how relationships between selves and others were imagined and played out. All readings available in English translation and include an introduction to some of the most heated modern debates about classical antiquity.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[*History 70c. Topics in Natural History]

Catalog Number: 9332 Enrollment: Limited to 12.

Daniel L. Smail

Half course (fall term). Hours to be arranged.

A reading seminar focused on literature relevant for a natural history of humankind from several million years ago to the present. Topics will include population diasporas; long-distance exchange; coevolution; family, sex, and marriage; food; communication; goods and things;



technology; human contact with ecosystems; status; demography and scale; and cognitive studies. The course will introduce students to the rapidly growing field of big history or deep history.

Note: Expected to be given in 2010–11.

***History 70f. Rule in Classical Antiquity - (New Course)**

Catalog Number: 96843 Enrollment: Limited to 12.

Emma Dench 5243

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An exploration of the ways in which political power was modeled in classical antiquity, with close attention to the most dynamic recent discussions within modern scholarship. Particular focus on the language, ideology and cultural expressions of tyranny, monarchy, democracy, the 'balanced' constitution of the Roman Republic, and imperial rule, and on the ways in which power was negotiated between rulers and ruled.

***History 70g. Modern Jewish Religious Movements - (New Course)**

Catalog Number: 61092 Enrollment: Limited to 12.

Robert Liberles 6444

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course will study some of the more prominent religious movements that have significantly impacted modern Jewish religious life. In contrast to the usual emphasis on ideological positions, we will emphasize the broader context of social phenomena. We will discuss Sabbatianism, Reform, Neo-Orthodoxy, and Conservative Judaism. Students may also select other movements for individual projects, as for example, Reconstructionism, the Havurah movement, or Gush Emunim.

***History 71b (formerly *History 1942). The European Renaissance and Reformation, 1350-1650**

Catalog Number: 6819 Enrollment: Limited to 12.

Steven Ozment

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to Renaissance and Reformation scholarship. Both classic and recent studies are read and discussed, and new fields of research explored. Attention given to a variety of national traditions and to the major historiographical controversies.

Note: This course is open to first and second year graduate students.

[*History 71c (formerly *History 1339). Anglo-American Constitutional History 1603-1787]

Catalog Number: 8660 Enrollment: Limited to 12.

David Smith 5904

Half course (spring term). Hours to be arranged.

This course surveys the historiography on English and American constitutional law from the reign of James I to the Framing. Major topics include sovereignty, republicanism, parliamentary authority, the development of legal protections, and the Atlantic constitution. Surveying a period punctuated by three Anglo-American revolutions, our focus will be on political instability and



the search for constitutional balance.

Note: Expected to be given in 2010–11.

[*History 72a (formerly *History 1425). The Rise of the British Empire, 1757-1857]

Catalog Number: 8040 Enrollment: Limited to 12.

Maya Jasanoff

Half course (spring term). Hours to be arranged.

Examines the expansion of the British Empire from the Seven Years War to the Indian Mutiny-Rebellion. Large themes of resistance, cross-cultural relations, and government practice will be considered together with specific episodes such as the Hastings trial and challenges to British rule in South Asia, the American Revolution, the settlement of Australia, and the abolition of slavery. Readings divided between primary and secondary sources, with emphasis on imperial controversies past and present.

Note: Expected to be given in 2010–11.

[*History 72b (formerly *History 1426). On Display: Commemoration, Collection and Public Spaces (c. 1600-2000)]

Catalog Number: 9970 Enrollment: Limited to 12.

Rachel L. Greenblatt

Half course (fall term). Hours to be arranged.

Traces the collection, commissioning, creation and display of artworks and objects from their development in religious and royal settings of the early modern period to their uses in nation-building and self-representation in the twentieth-century. Topics include monuments and urban spaces in Christian-Jewish polemics, collections as displays of political power, and museums as sites of national, cultural and ethnic identity. Geographical focus on Central Europe, but Western Europe and North America will also be considered.

Note: Expected to be given in 2010–11.

***History 72c (formerly *History 1460). French History through French Literature**

Catalog Number: 5038 Enrollment: Limited to 12.

Patrice Higonnet

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examines 19th century French history through some of the masterpieces of the post-revolutionary French tradition. The emphasis will be on the definitions of individualism (male and female) in an age of revolution and high capitalism. Readings will include Constant, Staël, Balzac, Stendhal, Sand, Tocqueville, Baudelaire, Flaubert, and Zola, as well as corresponding texts on the history of the period such as Marx and Walter Benjamin.

[*History 72e. The Life and Reign of Catherine the Great]

Catalog Number: 9664 Enrollment: Limited to 12.

Kelly A. O'Neill-Uzgiris

Half course (fall term). Hours to be arranged.

Examines the private and public worlds of one of Russia's most famous rulers. Introduces students to the numerous images of Catherine and debates about her reign that have emerged in two hundred years of historical writing. Topics include gender and authority, the reception of the Enlightenment, architecture and urban planning, state ideology, literary activity, and religious



policy.

Note: Expected to be given in 2010–11.

***History 72f (formerly *History 1529). East European Identities: Russia and Ukraine**

Catalog Number: 6477 Enrollment: Limited to 12.

Serhii Plokhii

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Discusses the formation of modern national identities in the Slavic world, and traces the development of competing imperial and national projects from the Napoleonic Wars to the collapse of the Soviet Union and the rise of independent successor states. Examines the reflection of growing national awareness in Russian and Ukrainian political writings, historiography, literature, and culture, as well as the role of multiple "others" in the formation of modern East Slavic identities.

***History 72g (formerly *History 1491). Religion and Popular Culture in 19th-Century Europe**

Catalog Number: 6681 Enrollment: Limited to 12.

David Blackbourn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores the relationship between social and political change and popular religious practice from the French Revolution to World War I. Considers methodological problems in the study of religion and popular culture; religious revivals and popular politics; pilgrimages and prophetic movements; the relationships between class, gender, and religious culture; the feminization of religion, and the origins and resistance to the secularization of state and society. Readings include primary documents and secondary texts.

***History 72h (formerly History 1468). The Histories of France and the United States Compared**

Catalog Number: 9325 Enrollment: Limited to 12.

Patrice Higonnet 2730

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Will compare the historical experience of France and the United States from the late 18th to the 20th century. The issues at stake will be the formation of national consciousness, revolution, and democratization, the development of industrial capitalism, immigration, imperialism, and war.

***History 72i. Cities and the Making of Modern Russia - (New Course)**

Catalog Number: 35624 Enrollment: Limited to 12.

Kelly A. O'Neill-Uzgiris 5881

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Introduces students to how historians think and write about the modernization of Russia in the 19th and 20th centuries by examining the history of urban landscapes. Explores the ways in which the built environment shaped social and cultural life. Topics include the rise of mass entertainment, politics of architecture, crime and disorder, infrastructure of public health, technology and the natural environment, urban spaces and nation-building.



***History 73a (formerly History 1474). Republics and Republicanism**

Catalog Number: 2494 Enrollment: Limited to 12.

James Hankins and Eric M. Nelson

Half course (fall term). W., 2–4.

Surveys the history of republican political theory from antiquity to the modern era. Themes to be discussed include: the relationship between republicanism and liberalism; the roots of republicanism in Greek and Roman political thought; Italian civic humanism; and the ideological origins of the English and American Revolutions. Readings will be drawn from Aristotle, Cicero, Machiavelli, More, Montesquieu, the Federalist Papers, Tocqueville, and others.

***History 73b. (formerly History 90d). Introduction to Intellectual History**

Catalog Number: 1881 Enrollment: Limited to 12.

David R. Armitage 5023

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Introduction to major themes, periods and authors in intellectual history, in the West and beyond, and to a variety of approaches to the field. Students will be guided through the stages of writing an essay on a topic of their choice. Designed for current and future history concentrators and open to those with similar interests, with instructor's consent.

***History 74a (formerly *History 1612). African Diaspora in the Americas**

Catalog Number: 9564 Enrollment: Limited to 12.

Vincent Brown

Half course (fall term). Th., 2–4.

How can we best understand the diverse cultural practices of black people in the Americas, from where did those practices derive, and how are they related to each other? We explore a history of attempts to answer those questions, and examine ways that interpretations of the “African diaspora” have been conceived by scholars to better appreciate the complex histories of African-American cultural practices.

***History 74c. Bodily Functions: Histories of Bare Life and Bio-Power**

Catalog Number: 1090 Enrollment: Limited to 12.

Walter Johnson

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

This course will expose students to challenging and influential scholarship on the history of human being. The reading combines an emphasis on social theory - Marxism, Cultural Anthropology, Post-modernism, Feminism, etc. - and on historical topics of central importance - the history of the senses, labor, torture, starvation, racism, colonialism, sexuality, etc. The class will meet once a week for two hours.

Note: Students will be required to write weekly papers of one to three pages summarizing their response to the assigned reading, and to write a final paper of approximately fifteen pages on a historiographical issue of their own choosing.

[*History 74d (formerly *History 1669). Gender in US History]

Catalog Number: 1673 Enrollment: Limited to 12.

Nancy F. Cott

Half course (spring term). Hours to be arranged.



Gender analysis will be the continuing theme in the readings in this course, which will cover important topics in U.S. history and examine examples of different historical methods, such as microhistory, biography, and demography. Topics will range from sexuality in the era of the American Revolution to plantation slavery, Progressive-era politics, consumption, social policy, and the social movements of the 1960s.

Note: Expected to be given in 2010–11.

***History 74e. North American Borderlands History**

Catalog Number: 7623 Enrollment: Limited to 12.

Rachel St. John

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This reading seminar will explore the major themes and historiographical approaches to the study of North American borderlands history. Drawing on scholarship from across the continent, we will study the interactions of peoples, nations, and empires on the boundaries of Mexico, the United States, and Canada. Course topics include: imperial claims and competition, Native peoples' responses to conquest, state and nation-building, settlement and economic integration, and conflict and cooperation between different racial and ethnic groups.

***History 74f. U.S. Environmental History**

Catalog Number: 9078 Enrollment: Limited to 20.

Rachel St. John 5328 and Joyce E. Chaplin 1058

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This reading seminar will explore the major themes and debates in U.S. environmental history. The course will introduce students to the study of the historical relationships between people and the natural environment and chart how the field has evolved over the past forty years. Beginning with Europeans' arrival in North America and continuing to the present, we will study how people have used, transformed, and thought about nature and how their environments shaped their experience.

[*History 74g (formerly *History 1679). Making America Modern: The US during the 1920s]

Catalog Number: 9496 Enrollment: Limited to 12.

Lisa M. McGirr 2543

Half course (fall term). Hours to be arranged.

Looking at the US in the period from the Great War to the Depression, closely explores the central developments of the decade—in society, culture, and politics—to determine its contribution to the making of “modern America.”

Note: Expected to be given in 2010–11.

[*History 74h. Intellectual, Cultural, and Political Origins of U.S. Foreign Relations since 1898]

Catalog Number: 0297 Enrollment: Limited to 12.

Trygve Van Regenmorter Throntveit 6066

Half course (fall term). Hours to be arranged.

Introduces major themes in modern U.S. foreign relations. Students will learn to read historical literature critically and efficiently regardless of previous knowledge. Units pair contrasting



studies of important moments in American external affairs. Readings/discussions will reveal the multiplicity of narratives constructed by historians, demonstrate the alchemic power exerted by questions on evidence, and give students confidence to ask unique questions of widely explored topics.

Note: Expected to be given in 2010–11.

***History 74n. U.S. History: Major Themes in the Twentieth Century - (New Course)**

Catalog Number: 26718 Enrollment: Limited to 12.

Lisa M. McGirr 2543

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The twentieth-century United States is a vibrant and flourishing field of historical study. The goal of this seminar is to introduce students to the central questions, problems and debates in the history of the "American century." Students will learn how the literature of history has developed through reading both older and newer approaches. Readings focus on questions of politics, political culture, the state and social life. The course is both thematic and chronological (as well as necessarily selective). Students are expected to prepare well for seminar and to participate actively in discussion. Each class will begin with a brief introduction to the readings (no more than five minutes) by a member of the seminar. The idea here is for one student to take special responsibility for leading discussion, raising questions and problems posed by the reading.

***History 74o. Colonial Lives - (New Course)**

Catalog Number: 87146 Enrollment: Limited to 12.

Laurel Thatcher Ulrich 1886

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

In the years between 1600-1820, thousands of otherwise obscure individuals seized the opportunity to tell their own stories-in pamphlets, petitions, spiritual autobiographies, captivity narratives, depositions, letters, interviews, and material objects of many kinds. This course explores these remarkable sources and recent works of scholarship based upon them. In the process it traces an unexpected history of colonialism as it reshaped Europe, Africa, and the Americas.

***History 74p. Afro-Asian Encounters - (New Course)**

Catalog Number: 34579 Enrollment: Limited to 12.

Denise Khor

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course surveys the convergences between Asian and Black communities that bridge the histories of the Atlantic and the Pacific. Though often regarded as separate entities, these oceanic passages have well worn parallel routes that connect the histories of racialization, labor, militarism, social movements, and intercultural contact.

***History 75c. Readings on Modern Latin American History - (New Course)**

Catalog Number: 45858 Enrollment: Limited to 12.

Sergio Silva-Castañeda

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course serves as an introduction to Latin American historiography, covering the span between the 19th Century's processes of independence and the military dictatorships of the



second half of the 20th Century. It includes readings on Argentina, Mexico, Peru, Colombia, Cuba, and Brazil. This course is not designed to provide an extensive review of Latin America; however, the readings have been selected to cover an ample spectrum of themes, sources, countries and historical periods.

[*History 76a (formerly *History 1858). Japanese Imperialism]

Catalog Number: 6688 Enrollment: Limited to 12.

Ian J. Miller

Half course (spring term). Hours to be arranged.

This course examines one of the most important, but least studied empires of the modern world. By the early 1940s the Japanese empire encompassed some 200 million subjects, stretching from the cold northern woods of Sakhalin Island to the tropical rain forests of the Indonesian Archipelago. Rather than treating Japanese imperialism as exceptional, we will use it to explore the nature of modern empire, asking how its study might reshape broader understandings of imperialism and its consequences.

Note: Expected to be given in 2010–11.

***History 76c (formerly *History 90g). Major Themes in World History: Colonialism, Imperialism, and Post-Colonialism**

Catalog Number: 0119 Enrollment: Limited to 12.

Hue-Tam Ho Tai 6079

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

A general introduction to theories of imperialism, nationalism, and post-colonialism. Case studies to include Asia and Africa. Will combine the study of theory with examination of particular anti-colonial and anti-imperialist movements.

***History 76d. Asian and African Encounters with Empire - (New Course)**

Catalog Number: 94343 Enrollment: Limited to 12.

Raja Adal

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

This course introduces you to Western expansion from the perspective of Asian and African societies. It begins with theoretical approaches to the role of Western expansion in the modernization of Asian and African societies. It then turns to case studies of Western expansion, asking how five Asian and African societies reacted to the threat of Western arms and the attraction of Western goods and sciences.

[*History 77a (formerly *History 1902). Alcohol in Sub-Saharan Africa, 1850 to the Present]

Catalog Number: 2765 Enrollment: Limited to 12.

Emmanuel Akyeampong

Half course (fall term). Hours to be arranged.

Examines the uses and meanings of alcohol in precolonial and rural Africa, its place in European-African trading contacts, and its role in the process of colonization. The course ends with a review of alcohol in nationalist politics, the place of the alcohol industry in the economies of independent African states and addiction in contemporary Africa.

Note: Expected to be given in 2010–11.



[*History 77b. Protest, Rebellion and Power in East African History] - (New Course)

Catalog Number: 90642 Enrollment: Limited to 12.

Caroline M. Elkins 3961

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Examines African responses to the imposition of colonial rule and to the impact of the post-colonial period in the countries of Kenya, Uganda, Tanzania, and Rwanda. Themes include initial African resistance to colonial rule, organized protests and violent rebellion against colonial institutions, and post-colonial struggles for power in the region. Case studies include popular rebellion in Zanzibar, the Mau Mau Emergency, the regime of Idi Amin, and the Rwandan genocide.

Note: Expected to be given in 2010–11.

***History 77c. Readings in African Environmental History - (New Course)**

Catalog Number: 57928 Enrollment: Limited to 12.

Charlotte M. Walker 6312

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This seminar explores debates over the historical transformation of African landscapes including climatic change and human/environmental interaction such as agriculture, deforestation, conservation, famine, and disease from the colonial era to the development era. The environment will be analyzed as a contested space with competing actors managing resources. The course discusses various forms of environmental "knowledges" from African conceptions of ecology, ethnobotany, agricultural technology to European and "Western" technical science in the colonial and contemporary eras.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

***History 78a (formerly *History 1874). The Middle East During the First Wave of Modern Globalization, 1870-1925**

Catalog Number: 2291 Enrollment: Limited to 12.

E. Roger Owen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the place of the Middle East during the first wave of modern globalization including the role of formal and informal empire, government and greater economic integration. Explores different ways of writing such a history using case studies designed to illustrate different aspects of the various processes involved.

[*History 79a (formerly *History 1986). Topics in International History]

Catalog Number: 0735 Enrollment: Limited to 24.

Erez Manela 4762 (on leave spring term)

Half course (fall term). Hours to be arranged.

Introduces several major themes in modern international history.

Note: Expected to be given in 2010–11.

[*History 79c. Seminar in International Capitalism: Entrepreneurs, Companies, and Nations]

Catalog Number: 1257 Enrollment: Limited to 12.



Instructor to be determined

Half course (spring term). W., 1–3.

This course explores the history of business and capitalism in four countries: Britain, the US, Germany, and Japan. Themes include entrepreneurship, management, regulation, salesmanship, the evolution of big business, and differences in national economic systems.

Note: Expected to be given in 2010–11.

[*History 79d. An Introduction to Global History]

Catalog Number: 8463 Enrollment: Limited to 12.

Joyce E. Chaplin 1058

Half course (spring term). Hours to be arranged.

This seminar offers introductory readings on the topic of global history and gives students the opportunity for further, individualized reading. Discussion topics include: deep history and human genetics, ancient and modern forms of imperialism, commercial networks and consumerism, global biography, long-distance travel and communication (including the invention of the passport and the telegraph), definitions of international and transnational communities, modernity and mass culture, globalization, decolonization, the space age, and cyberworlds.

Note: Expected to be given in 2010–11.

***History 79e. Commodities in International History - (New Course)**

Catalog Number: 17812 Enrollment: Limited to 12.

Alison F. Frank 5313

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Introduces students to international history through the study of commodities ranging from oil, coal, and cotton to potatoes, rum, coffee, and sugar. Showcases historical writings that transcend geographic, cultural, and political boundaries between East and West, North and South, Atlantic and Pacific as well as methodological boundaries between cultural, economic, business, and environmental history, the history of food, of technology, and of ideas.

***History 79f. Empire and Nation in Russia and China - (New Course)**

Catalog Number: 54227 Enrollment: Limited to 12.

Terry D. Martin 2966 and Mark C. Elliott 3329

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines comparatively how imperial rule functioned in the Eurasian empires of Russia and China, and how the imperial heritage affected the transition to national and communist state forms. Theories of empire and nationalism based on European paradigms will be interrogated. Topics will include discourses of empire, the production of imperial knowledge, ethnicity, the frontier, colonization, Communism and national self-determination, Russification and Sinicization, religion, gender, and language. All readings will be in English.

***History 79g. The Museum in Settler Society: Imperialism, Nationalism, Pluralism - (New Course)**

Catalog Number: 71912 Enrollment: Limited to 12.

Ruth B. Phillips 6369

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7



Examines the museum's role in settler societies in relation to evolving constructs of colony, empire, and nation. Places a series of Canadian case studies in comparative perspective with examples from other settler societies, including the United States, Australia, New Zealand, and South Africa. Explores historical changes in collecting practices and paradigms of display ranging from the eighteenth-century curiosity cabinets to postcolonial strategies of collaboration and digital repatriation.

Research Seminars

Required for History concentrators; open to non-concentrators as well. Concentrators planning to write a Senior Thesis must complete their Research Seminar requirement by the conclusion of the Junior year. Graduate students may enroll with the instructor's permission.

Primarily for Undergraduates

[*History 80a (formerly *History 1051). Roman Imperialism]

Catalog Number: 0336 Enrollment: Limited to 15.

Emma Dench

Half course (spring term). Hours to be arranged.

Whether regarded as a model for European empires or as a precursor of western colonialism and globalization, Roman imperial expansion has captured both popular and scholarly imaginations. We proceed thematically, analyzing a variety of textual and material evidence for the changing nature of Roman imperialism between the mid-Republican and early imperial periods, and its impact on the politics, culture, religion, and society of Roman and local communities alike.

Note: Expected to be given in 2010–11.

***History 80b (formerly *History 1122). Persons and Things in Medieval Europe**

Catalog Number: 9657 Enrollment: Limited to 15.

Daniel L. Smail

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course will introduce students to innovative currents of research in medieval European history, focusing on the use of texts for the study of material culture. Through their own research in medieval sources (in translation), students will contribute to building a collective database of clothing fashions, luxurious objects, dowry goods, liturgical goods, weapons, color preferences, and many other components of medieval material culture. This database will serve as a major source and gateway for building an original research paper.

Note: This course, when taken for a letter grade, meets the Core requirement for Historical Study B.

***History 80d. The Papacy, the Empire and Rome in the High Middle Ages - (New Course)**

Catalog Number: 21923 Enrollment: Limited to 15.

Andreas Fischer 6425

Half course (spring term). Tu., 1–3.

Will explore the ideological background and the political effects of the conflict between "Church" and "State" (11th-13th centuries). Topics include the development of papal primacy,



the investiture controversy, the struggle of the Hohenstaufen against the papacy, overreaching papal claims on secular power and the importance of Rome for the Popes and Emperors. The course shall deepen the understanding of the fundamental political and mental changes resulted from these conflicts and created the modern intellectual world.

***History 81a (formerly *History 1309). History in Early Modern Europe**

Catalog Number: 6583 Enrollment: Limited to 15.

Ann M. Blair

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course will examine the cultural significance of history as a discipline and as practice in Europe from the Renaissance to the Enlightenment. We will consider the nature and purposes of different kinds of historical writing and the ways in which histories were read and used. Histories were written to justify disciplines, states and religions; at the same time historical research prompted the development of new scholarly methods and subdisciplines. Emphasis on reading from primary sources including Machiavelli, Guicciardini, Francis Bacon, Voltaire and Gibbon.

[*History 81b. Book History]

Catalog Number: 0836 Enrollment: Limited to 15.

Ann M. Blair

Half course (fall term). Hours to be arranged.

This research seminar offers an introduction to methods of research in the history of the book and of reading. Assigned readings will include methodological articles and case studies in the field, focused especially on the handpress period (15th-18th centuries). Students will be guided through the stages of writing a major research paper and may write their paper on a time-place context of their choosing, with the consent of the instructor. Designed for concentrators in History and History and Literature; open to others with similar needs.

Note: Expected to be given in 2010–11.

***History 81c (formerly *History 1338). The English Revolution**

Catalog Number: 0296 Enrollment: Limited to 15.

Mark A. Kishlansky

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This course will fulfill the concentration requirement for a research course requiring the completion of an historical essay based on primary materials. It will explore the causes, course, and consequences of the English Revolution by focusing on selected topics covering the range of issues that dominated the period from the convening of the Lord Parliament to the execution of Charles I. Emphasis will be on research techniques and the use of seventeenth century sources.

[*History 81e (formerly *History 1443). Peter Paul Rubens (1577-1640), Scholar, Diplomat, Artist]

Catalog Number: 4061 Enrollment: Limited to 15.

Ivan Gaskell

Half course (fall term). Hours to be arranged.

An investigation of how 21st-century responses to artworks by Rubens may relate to the development of historical understanding. Examines the tensions between the specificity of Rubens's artworks and other actions, and broader patterns and conventions of behavior in art,



politics, and the western European social fabric more generally in the first half of the 17th century. Will examine artworks associated with Rubens, including paintings, drawings, prints, and illustrated books in Harvard and Boston collections.

Note: Expected to be given in 2010–11.

***History 81f (formerly History 1127). Women's Voices in Medieval and Early Modern Europe**

Catalog Number: 7597 Enrollment: Limited to 15.

Rachel L. Greenblatt 5537

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Seeks out the voices of Jewish, Protestant and Catholic women, with an emphasis on women's writings, and examines methods for uncovering information about women's lives when their own voices are absent from the historical record. Considers ideal images and the daily realities of both men's and women's gendered roles in such areas as life-cycle rituals, livelihood and spirituality.

***History 82b (formerly *History 1446). Fin-de-Siècle Vienna**

Catalog Number: 1471 Enrollment: Limited to 15.

Alison F. Frank

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the history of the political, social, and cultural center of the largest continental European Empire in modern history, and one of the birthplaces of European modernism. From the 1880s through WWI and into the early years of the Republic of Austria, the course examines not only Vienna's intellectual vitality, but also the social and ideological divisions underlying the human catastrophes of World War and genocide in the twentieth century.

[*History 82c (formerly *History 1466). Vichy France in Comparative Perspective]

Catalog Number: 8154 Enrollment: Limited to 15.

Patrice Higonnet 2730

Half course (spring term). Hours to be arranged.

First, we cover the background of the Vichy years and the legacy of 1789 and the First World War; military affairs; Vichy's social policy; Vichy, the Germans, and the Jews; Vichy and Free France; and the legacy of the Vichy years. In the second half of the course, we move on to compare occupied France to other occupied countries of Europe.

Note: Expected to be given in 2010–11. Students interested in this course should contact Professor Higonnet at higonnet@fas.harvard.edu. Films will be shown weekly.

***History 82d (formerly *History 1483). French Colonial Encounters: 1870's to Present**

Catalog Number: 0461 Enrollment: Limited to 15.

Mary D. Lewis

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Explores and compares three colonies in the French Empire: French West Africa, Algeria, and Indochina, considering how colonial rule was extended, how individuals responded, and what reverberations there were between colony and metropole.

Prerequisite: One language relevant to the regions studied (e.g. French, Arabic, Vietnamese, etc.) preferred but not required. An introduction to French history recommended.



[*History 82e (formerly *History 1490). Max Weber in His Time]

Catalog Number: 9550 Enrollment: Limited to 15.

David Blackburn

Half course (spring term). Hours to be arranged.

We still read and reinterpret Max Weber's work on bureaucracy, charisma, and the links between religion and capitalism. This course places Weber (1864-1920) in his time, as a participant in contemporary German debates. Using his own scholarly and political writings, plus other biographical and historical materials, we examine Weber's strong views on subjects that include German political leadership, nationalism, imperialism, the rise of socialism, university reform, Polish immigrant labor, Catholic "backwardness", and World War I.

Note: Expected to be given in 2010–11.

***History 82f. The Origins of the Cold War: The Yalta Conference (1945)**

Catalog Number: 1959 Enrollment: Limited to 15.

Serhii Plokhii 4454

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

The Yalta Conference is analyzed in the context of the long-term geostrategic goals of the United States, the United Kingdom, and the USSR. Special attention is paid to psychological and cultural aspects of the negotiating process.

[*History 82g. The Black Sea World]

Catalog Number: 4664 Enrollment: Limited to 15.

Kelly A. O'Neill-Uzgiris

Half course (spring term). Hours to be arranged.

Located at the crossroads of crucial trade routes and imperial frontiers, the Black Sea has been the site of exploration, exchange, and often bloody competition for over a millennium. We will explore the social, cultural and economic relationships that linked inhabitants, as well as the cleavages that divided them over the course of the nineteenth century. Topics include commerce and trade, scientific exploration, military conflict, urbanization and the emergence of national narratives.

Note: Expected to be given in 2010–11.

[*History 82h (formerly *History 1532). Everyday Life in the Soviet Union]

Catalog Number: 2636 Enrollment: Limited to 15.

Terry D. Martin

Half course (spring term). Hours to be arranged.

Analysis of everyday life in the USSR up to the death of Stalin through the use of first-person documentation: diaries, personal correspondence, autobiographies, and oral history. Topics include family, friendship, consumption, corruption, entertainment, housing, material goods, the emotions, the self, among others.

Note: Expected to be given in 2010–11.

***History 82k (formerly History 1481). Nation, Empire and Immigration in Modern France**

Catalog Number: 5855 Enrollment: Limited to 15.

Mary D. Lewis 4369

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7



Examines the challenges posed to French society by the principles that emerged from the French Revolution. Considers how abstract, "universal" ideas have been difficult to implement evenly across French society, and explores what historical circumstances have prevented particular groups from enjoying the rights associated with these principles from 1789 to the present day. Focuses on race and colonial status, religion, nationalism and immigration.
Prerequisite: French strongly preferred but not required.

***History 83a (formerly *History 1411). The History of Economic Thought Since 1750**

Catalog Number: 5927 Enrollment: Limited to 15.

Emma Rothschild

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the history of various kinds of economic thought, including 18th century laissez-faire political economy and late 19th century theories of economic and social reform. Will emphasize writings about long-distance or global connections, in different media from scientific theories to economic periodicals. Students will prepare individual research projects.

***History 83b (formerly *History 1472). Historical Ontology**

Catalog Number: 6425 Enrollment: Limited to 15.

Peter E. Gordon

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This advanced seminar addresses the now-prevalent idea that reality is an historical construction, i.e., that what counts as objectivity or truth may depend upon conceptual schemes, discourses, or practices of world-making, such that the conditions for something being "an object" or being "true", in the natural or human sciences and in social experience, are subject to variation and structural transformation over time. Topics and authors include: Foucault, Heidegger, Latour, Sokal, Hacking, Poovey, Shapin, and Cervantes.

Prerequisite: One of the following: Modern European Intellectual History, Social Studies 10, French Social Thought, American Social Thought, or any philosophy course in Metaphysics or Epistemology.

[*History 83c. Care of the Soul]

Catalog Number: 8082 Enrollment: Limited to 15.

James Hankins

Half course (fall term). Hours to be arranged.

The teachings of major philosophers in the Western tradition about how living a philosophical life can cure diseases of the soul and bring tranquility, harmony with nature, and a sense of moral worth. Readings in Plato, Lucretius, Marcus Aurelius, Sextus Empiricus, various Pythagoreans, Boethius, Augustine, Marsilio Ficino, Ignatius of Loyola, Justus Lipsius, Montaigne, Pierre Gassendi, Robert Burton.

Note: Expected to be given in 2010–11.

***History 83d (formerly *History 1479). Intellectuals and Auschwitz**

Catalog Number: 5579 Enrollment: Limited to 15.

Peter E. Gordon

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This seminar for advanced undergraduates investigates a variety of philosophical debates and



intellectual controversies concerning National Socialism and the Holocaust; focusing on disputes as to the significance of the Holocaust for social theory, the philosophy of history, theories of empathy and historical as well as aesthetic representation. Authors include: Adorno, Agamben, Arendt, Celan, Derrida, Jaspers, Jonas, and Levi.

Prerequisite: One course in Intellectual History, Social Studies 10, Political Theory or Philosophy.

***History 84a (formerly *History 1605). Early American Slave Revolts**

Catalog Number: 4218 Enrollment: Limited to 15.

Vincent Brown

Half course (spring term). W., 2–4.

Will analyze political dynamics of resistance and social control within the slave societies of the early Americas from the 17th to the early 19th centuries. Topics for consideration include maroon resistance, struggles over time, territory, status, and cultural practice within slavery, the organizing strategies of the enslaved, and competing visions of the future.

***History 84b. The American Revolution**

Catalog Number: 7369 Enrollment: Limited to 15.

Jill M. Lepore

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This hands-on research seminar will take you out of the classroom and into the archives. An intensive study of the political, cultural, literary, and social history of the American Revolution, with an emphasis on Boston from the Writs of Assistance, in 1761 to the British evacuation of the city, in 1776. The class includes field trips to Boston and Cambridge historic sites, archives, museums, and graveyards.

[*History 84c (formerly *History 1610). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America]

Catalog Number: 2479 Enrollment: Limited to 15.

Laurel Thatcher Ulrich and Ivan Gaskell

Half course (fall term). Hours to be arranged.

Using case studies drawn from the Longfellow National Historic site and Harvard collections, students will explore a range of methods used in interpreting art and artifacts from colonial North America and the early US. Emphasis on the interplay between particular objects and larger historical themes, such as colonialism, patriotism, or the beginnings of mechanization. Students will be introduced to a range of scholarly tools, including laboratory analysis of materials, quantitative studies of household inventories, and iconography.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[*History 84f. Science and Religion in America]

Catalog Number: 9283 Enrollment: Limited to 15.

Andrew Jewett

Half course (fall term). Hours to be arranged.

From the founding generation's engagement with Enlightenment rationalism to the contemporary controversies over intelligent design and stem-cell research, American history has witnessed



constant skirmishes along the troubled border between religion and science. Students in this seminar will become familiar with the broad contours of these cultural, intellectual, and political engagements, while carrying out their own research in the field.

Note: Expected to be given in 2010–11.

***History 84g (formerly *History 1656). Harvard and Slavery**

Catalog Number: 1778 Enrollment: Limited to 15.

Sven Beckert 2415

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Will explore the links between Harvard and slavery during the first 229 years of the university's history. Students will write original research papers on various aspects of the history of Harvard University and slavery, including how resources extracted from slave labor benefited the university, the ways Harvard administrators and faculty supported or struggled against the institution of slavery, and what kinds of links the university built to slaveholders.

[*History 84h (formerly *History 1667). The Northern Side of the Civil Rights Movement]

Catalog Number: 8594 Enrollment: Limited to 15.

Evelyn Brooks Higginbotham

Half course (fall term). Hours to be arranged.

Examines the movement for racial equality outside the South from the 1940s and into the early 1970s, and will examine integrationist efforts, as well as competing ideologies of black power through weekly urban case studies.

Note: Expected to be given in 2010–11.

***History 84i (formerly *History 1969). Secularization in Europe and the United States, c. 1780-2000**

Catalog Number: 6171 Enrollment: Limited to 15.

David Hempton (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Will examine the respective religious characteristics of two large and diverse areas from the age of revolution in the late eighteenth century to the present with special reference to secularization. Will address the complex issues at stake in the debates between those who make claims either for European or American exceptionalism.

Note: Offered jointly with the Divinity School as 2356.

[*History 84j. Pragmatism and Reform in American Social Thought]

Catalog Number: 4330 Enrollment: Limited to 15.

Trygve Van Regenmorter Throntveit 6066

Half course (spring term). Hours to be arranged.

Introduces students to the practice of intellectual history, through primary-source based investigations of the influence of pragmatism on progressive-era reformers. Students will read Peirce, James, and Dewey and explore their influence on reformers such as Addams, Du Bois, Veblen, Brandeis, Croly, Lippmann, etc. We will explore the implications of pragmatic progressivism for domestic and international politics from 1890-1920. Requirements include: one research presentation, final research paper.

Note: Expected to be given in 2010–11.



***History 84l (formerly History 1666). The World of William James and Henry James**

Catalog Number: 9674 Enrollment: Limited to 15.

James T. Kloppenberg 3157 and Jeanne Follansbee Quinn 4426

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course examines the writings of William James and Henry James in relation to each other and to transformations in American and European culture from the late nineteenth through the early twentieth centuries. Readings include *Portrait of a Lady*, *The Ambassadors*, and selected stories, prefaces, and essays by Henry James and selections from *The Principles of Psychology*, *The Varieties of Religious Experience*, *Pragmatism*, and selected essays by William James.

***History 84m (formerly History 1670). The New Deal: The United States During the Roosevelt Years**

Catalog Number: 4878 Enrollment: Limited to 15.

Lisa M. McGirr 2543

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

An exploration of the trajectory of New Deal reform and the broader social, economic, political, and cultural changes in the US in this period. Topics will include the First and Second New Deal, the rise of liberalism, the Roosevelt administration, the social movements of the Left and the Right during the 1930s, the coming of war, and the waning of the reform impulse.

***History 84n. Visual Culture, Translation, and Indigeneity in the Great Lakes - (New Course)**

Catalog Number: 87019 Enrollment: Limited to 15.

Ruth B. Phillips 6369

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Explores visual culture in the Great Lakes region as a site of cultural translation and exchange between indigenous peoples and different groups of outsiders-missionaries, soldiers, settlers, and tourists-from the seventeenth through the twentieth centuries. Students will develop skills in material and indigenous historical research through individual projects focusing on images and artifacts in Boston collections and through readings in theories of materiality, visibility, agency, translation, and indigenous knowledge.

***History 84o. Woodrow Wilson's America: The Emergence of the Modern United States, 1856-1924 - (New Course)**

Catalog Number: 59842 Enrollment: Limited to 15.

Trygve Van Regenmorter Throntveit 6066

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Woodrow Wilson (1856-1924) was a lawyer, scholar, and statesman who experienced, studied, and shaped many defining moments in America's emergence as a unified nation-state and modern industrial society. In this research seminar, Wilson's responses to his changing nation prompt engagement with multiple narratives of epochal events in his lifetime, including: Civil War, Reconstruction, industrialization, immigration, imperialism, segregation, woman suffrage, progressivism, state centralization, scientific advance, religious fundamentalism, modernism, consumerism, and World War I.



***History 84p. Immigration and American Life - (New Course)**

Catalog Number: 19472 Enrollment: Limited to 15.

Denise Khor 6367

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course is an introduction to the major concepts in the study of American immigration history and culture. We will explore the role of immigration --and the figure of the immigrant-- in the writing of national and transnational histories.

***History 84q. Histories of the Present - (New Course)**

Catalog Number: 32206 Enrollment: Limited to 15.

Walter Johnson 5616

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This course will focus on creating oral histories of the current crisis. The 2009-10 topic will be the history of Allston and Cambridge and their relation with Harvard, including the history of Boston and of Harvard in Boston, and the practice of oral history. Students will obtain certification to work with human subjects, identify a topic, and contact sources. The goal will be to create an archive for the future, to better understand university/community relations, and to rework the relationship of "Harvard" to "Allston" and "Cambridge".

Note: Part of the Project on Justice, Welfare, and Economics and the activity-based-learning initiative.

***History 86a (formerly *History 1828). Christianity and Chinese Society**

Catalog Number: 2587 Enrollment: Limited to 15.

Henrietta Harrison

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Examines the history of Catholic and Protestant Christianity in China from the 16th century to the present. The focus is on non-elite Chinese believers and the ways in which Christianity affected their lives.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[*History 86b (formerly *History 1843). Imperial Japan and the US]

Catalog Number: 3802 Enrollment: Limited to 15.

Andrew Gordon

Half course (fall term). Hours to be arranged.

The United States and Japan emerged simultaneously as imperial powers at the turn of the 20th century. This course examines the cultural and economic, as well as political relations to these two empires in the early decades of their interaction. It draws on the rich body of English language archival materials at Harvard and in the Boston area for student research projects.

Note: Expected to be given in 2010–11.

[*History 86d (formerly *History 1895). The Indian Ocean in Comparative Perspective]

Catalog Number: 8123 Enrollment: Limited to 15.

Sugata Bose



Half course (spring term). Hours to be arranged.

Explores the history of the Indian Ocean inter-regional arena in the comparative context of histories of the Atlantic, Mediterranean and the Pacific worlds from the 1490s to the 1990s. The changing meanings of sovereignty, religiously informed universalisms and the links forged by intermediary capital and migrant labor in the age of global empire.

Note: Expected to be given in 2010–11.

[*History 86e (formerly *History 1897). Nation, Reason and Religion in South Asia]

Catalog Number: 1447 Enrollment: Limited to 15.

Sugata Bose

Half course (spring term). Hours to be arranged.

Examines the connections between nation, reason and religion in South Asian political thought and practice. Precolonial patriotisms, rational and religious reforms, colonial modernity and anti-colonial nationalisms, visions of nationhood and forms of state power, and post-colonial nationalisms for and against the state.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

[*History 87a (formerly *History 1912). Health, Disease, and Ecology in African History]

Catalog Number: 5905 Enrollment: Limited to 15.

Emmanuel K. Akyeampong

Half course (spring term). Hours to be arranged.

Examines the history of disease and health in sub-Saharan Africa from the 19th century to recent times, exploring African and western concepts of health, disease and healing. Illustration through discussion of case studies of individual diseases, including malaria/sickle cell trait, trypanosomiasis, tuberculosis, sexually transmitted diseases, alcoholism, AIDS, and onchocerciasis, and the public health policies affecting them.

Note: Expected to be given in 2010–11.

Prerequisite: Senior level undergraduates.

***History 87b (formerly *History 1917). Human Rights in Africa: An Historical Perspective**

Catalog Number: 4514 Enrollment: Limited to 15.

Caroline M. Elkins

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of the evolution of human rights in sub-Saharan Africa during the 20th century and its impact on states and societies throughout the region. The theoretical underpinnings of international human rights accords will be assessed alongside African conceptualizations of individual rights and community obligations. The tension between concepts of universal rights, civilization, and cultural relativism will be explored through an examination of specific case studies in the colonial and post-colonial periods.

[*History 88a (formerly *History 1887). Modern Iran: A Historical Overview]

Catalog Number: 0706 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (spring term). Hours to be arranged.

Starting with the 1979 revolution, this course journeys back in time to offer an overview of



modern Iranian history.

Note: Expected to be given in 2010–11.

[*History 89a (formerly *History 1916). British Colonial Violence in the 20th Century]

Catalog Number: 4626 Enrollment: Limited to 15.

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

Will explore Britain's deployment of various forms of violence in its 20th-century empire, and how this violence was understood, justified, and represented in the empire and at home. Imperial objectives and policies will be weighed alongside local factors such as race, settler presence, indigenous responses to colonial rule, and economic and strategic interests to assess the universality and particularity of British colonial violence.

Note: Expected to be given in 2010–11.

[*History 89b (formerly *History 1957). International Society]

Catalog Number: 3056 Enrollment: Limited to 15.

Erez Manela

Half course (spring term). Hours to be arranged.

Reading and research on the development of ideas and institutions of international society in the 20th century, covering the Wilsonian moment, the League of Nations, internationalist ideologies and movements, the United Nations system, human rights, decolonization and development, and non-governmental organizations.

Note: Expected to be given in 2010–11.

Ancient and Medieval History

See also Classical Archaeology 180 and 181.

For Undergraduates and Graduates

[History 1011. The World of the Roman Empire - \(New Course\)](#)

Catalog Number: 45321

Emma Dench

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

An introduction to Roman history from the mid third century BCE to the mid third century CE, with emphasis on the multiple cultures of the Roman empire and their diverse involvement in, and perspectives on, Roman conquest and rule. Challenging traditional narratives of Roman political history, we will seek a much more dynamic view of 'Roman' culture and society, based on both literary and archaeological evidence.

[History 1020 \(formerly History 1091\). Jews and Judaism in the Ancient World](#)

Catalog Number: 6035

Shaye J.D. Cohen

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A survey of Jewish history in antiquity from the Persian period (5th century BCE) to the



Byzantine period (5th century CE). Topics include: political accommodation and resistance, Hellenism, the Hasmoneans and Herod the Great, the effects of Roman rule, Pharisees, Qumran, Christians, unity and diversity, the destruction of the temple and its aftermath, the emergence of rabbinic Judaism, homeland and diaspora.

Note: Offered jointly with the Divinity School as 1462.

History 1025. Overlapping Spheres: Jewish Life in Early Modern Europe - (New Course)

Catalog Number: 76199

Rachel L. Greenblatt and Robert Liberles (Ben Gurion University)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Participants in this course will use primary and secondary sources to examine multiple aspects of the ways Jews lived among their Christian neighbors during this exciting crossroads between traditional society and the beginnings of what we later called "modernity." We will look at the period from approximately 1500 to 1750, characterized by the advent of print, the Protestant challenge to Catholic hegemony, increasing use of the written vernacular, and the rise of capitalism, absolutism and toleration.

History 1040 (formerly History 1111). The Fall of the Roman Empire

Catalog Number: 6019

Michael McCormick

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Uses the latest results of archaeology, written sources, and the natural sciences to study the changes, violent or subtle, that transformed the Roman world to produce medieval civilization between ca. 300 and 700. Topics include Constantine's conversion, economic recovery and collapse, the barbarians, women and power, pandemic disease; emphasizes reading of ancient sources in translation.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1050 (formerly History 1101). Medieval Europe]

Catalog Number: 4278

Michael McCormick

Half course (fall term). Hours to be arranged.

This course will examine the emergence of medieval civilization from the ruins of the ancient world, and the evolution of that civilization into modern Europe. Themes include: the fall of Rome, the spread of Christianity, the rise and fall of Byzantium, the challenge of Islam, the Vikings, the Crusades, commerce and agriculture, the Feudal Revolution, the Twelfth Century Renaissance, spirituality and persecution, the origins of law and government, the Black Death, and the Italian Renaissance.

Note: Expected to be given in 2010–11. Given in alternate years. Students prepared to pursue special topics can be accommodated. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or Societies of the World, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.



History 1055 (formerly History 1121). Vengeance, Hatred, and Law in Premodern Europe

Catalog Number: 7743

Daniel L. Smail

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Will explore the great transformation in European legal habits that took place between 500 and 1600, as family-based forms of law, vengeance, and regulation gave way to royal, municipal, and ecclesiastical justice. Topics include the blood feud, the judicial ordeal, and judicial torture. The course is designed to raise ethical and substantive issues that are relevant to an understanding of the function of law and justice in the modern world.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1060. Europe and Its Borders, 950-1550]

Catalog Number: 0914

Daniel L. Smail

Half course (spring term). Hours to be arranged.

Surveys an early phase of European expansion and colonial activity in areas including the Iberian Peninsula, Sicily, the eastern Mediterranean, eastern Europe, the Baltic lands, Wales, and Ireland. A major goal of the course is to explore how a European identity emerged in the process of contact and conflict in the new borderlands. Readings will include primary and secondary sources.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core area requirement for Historical Study B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[History 1080 (formerly History 1150). The Jews in Muslim and Christian Spain]

Catalog Number: 5331

Bernard Septimus

Half course (spring term). Hours to be arranged.

A study of the political, social, and cultural history of the Hispano-Jewish community from the Muslim conquest of Spain in 711 to the expulsion of the Jews from Christian Spain in 1492. Emphasis on literary and intellectual developments and on the complex relationship of the Jews to Iberian Christendom and Islam. Combines material from former courses History 1151 and 1152.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

Cross-listed Courses

Classical Studies 125. The Rhetoric of Empire in Greek, Roman, and Christian Authors - (New Course)

***History and Literature 90x. Medieval Margins - (New Course)**

Medieval Studies 107. Authority and Invention: Medieval Art and Architecture

[Medieval Studies 108. Nature and the Ideal: Art and Architecture in Italy, 1250–1520]

Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies



Primarily for Graduates

***History 2050 (formerly *History 2101). Medieval Societies and Cultures: Proseminar**

Catalog Number: 6693

Michael McCormick

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Introduction to the study of medieval history, and to the literature basic to the examination field. Stress on classic and innovative scholarship about medieval society, economy, institutions and culture.

Note: May not ordinarily be credited as one of the research seminars required in the first-year program.

Prerequisite: Reading knowledge of French and/or German.

History 2055 (formerly History 2122). Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean

Catalog Number: 5011

Michael McCormick

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Communications, travel, and commerce in the early medieval Mediterranean. Meetings will include close philological and historical analysis of relevant Latin sources, and research papers by participants.

Prerequisite: Latin, with either German or French, is required. Normally History 2050 and or MS 101.

[History 2060 (formerly History 2125). Problems in High and Late Medieval History: Seminar]

Catalog Number: 1874

Daniel L. Smail

Half course (spring term). Hours to be arranged.

This course is designed to introduce graduate students to the sources and methodologies necessary to conduct research on medieval Europe.

Note: Expected to be given in 2010–11.

[History 2080 (formerly History 2126). Medieval Law]

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

Readings focused alternately on the English legal tradition and on the Roman-canonical tradition. Short papers analyzing texts will be required but not a research paper. Topic for 2010–11: to be announced.

Note: Expected to be given in 2010–11.

Prerequisite: Some Latin required.

Cross-listed Courses



[Classical Philology 226. Memories of the Roman Republic - \(New Course\)](#)

[Classical Studies 221. Syria and Syrians under Greek Colonialism - \(New Course\)](#)

[*Medieval Studies 202 (formerly *Medieval Studies 102). Latin Palaeography and Manuscript Culture: Seminar]

[Medieval Studies 223. Preaching and Sermon in the Middle Ages]

[Medieval Studies 225. Heresy, Orthodoxy, and Religious Identity in Medieval Christianity]

[Medieval Studies 227 (formerly Medieval Studies 127). Hildegard of Bingen and the Gospels: Seminar]

[*Medieval Studies 280 \(formerly *Comparative Literature 280\). Literary Theory and Criticism in the Middle Ages: Seminar](#)

[Medieval Studies 290. Making the Middle Ages \(Graduate Seminar in General Education\) - \(New Course\)](#)

Graduate Course

***Medieval Studies 300hf (formerly Medieval Studies 300). Medieval Studies Interdisciplinary Workshop**

Renaissance and Early Modern History

See also Committee on Medieval Studies. Students are also directed to Divinity School courses.

For Undergraduates and Graduates

[History 1110 (formerly History 2310). Problems in Late Medieval and Early Modern Europe 1250-1750: Conference Course]

Catalog Number: 9057

Steven Ozment

Half course (spring term). Hours to be arranged.

Directed reading and writing in European politics, society, culture, and religion. For field exam candidates, senior thesis writers, and graduate students writing dissertations.

Note: Expected to be given in 2010–11. Open to advanced undergraduates with permission of instructor.

[History 1114 \(formerly History 1514\). Early Modern Eastern Europe \(1450-1795\)](#)

Catalog Number: 9973

Serhii Plokhii

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Explores the history of the "other" Europe from the collapse of Mongol rule and the rise of an independent Muscovite state in the second half of the fifteenth century to the partitions of Poland in the late eighteenth century. Examines the early modern history of the territories that became Russia, Ukraine, Belarus, Lithuania, and Poland—a period that saw the formation and collapse of multiethnic states, the creation of modern empires, and fierce religious competition.



History 1117. Kingdoms to Empire: The Rise of Early Modern Britain, 1485-1714 - (New Course)

Catalog Number: 93347

David Smith

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

This course surveys the rise of Britain from a disparate group of medieval kingdoms, including England, Scotland and Ireland, to a world power. Major topics include religious upheaval and reformation, constitutional transformation and the emergence of parliamentary supremacy, the rise of print culture, and Britain's larger involvement in the European and Atlantic worlds.

Readings include Shakespeare, Hobbes, Locke, Spenser, and More.

History 1118. Encounters: Early Modern British Exploration and Settlement in the Atlantic World

Catalog Number: 7586

David Smith

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

This course investigates voyages to the Americas and the establishment of colonies by early modern English explorers and settlers up to the mid-seventeenth century. As they yearned for commercial, religious and social utopias in their "New World," the English encountered peoples with frequently conflicting visions of the world. Topics include cross-cultural encounter, travel narratives, slavery, the technology of early modern exploration, colonialism, and piracy.

History 1151 (formerly History 1450). France 1500-1715

Catalog Number: 7575

Ann M. Blair

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

A general survey of the history and historiography of early modern France ca. 1500-1715, with a special emphasis on topics in cultural history, including: humanism and printing; Protestantism; political thought; royal and court rituals; and the beginnings of the Enlightenment. Assigned readings from Rabelais, Montaigne, Pascal, Racine, and Voltaire among the primary sources; from Fernand Braudel, Natalie Davis and Robert Darnton among the secondary sources.

Note: All assignments in English. An optional extra French-language reading section will be arranged in case of interest.

History 1166 (formerly *History 71a). Marriage, Sex, and Family in Western Europe, 1250-1750: Conference Course

Catalog Number: 2725 Enrollment: Limited to 15.

Steven Ozment

Half course (fall term). Tu., 2-4. EXAM GROUP: 16, 17

History 1166 goes into the preindustrial household to discover first hand the rule of men, the rights of women, the bearing and rearing of children, and the opportunities of teenagers and young adults. Both contemporary sources and modern scholarship will be read and discussed.

Note: Highly recommended for beginning graduate students.

Cross-listed Courses



Celtic 107. Early Irish History

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-19. The Renaissance in Florence]

***History and Literature 90s. Cloak and Swagger: Fashioning the Body in Early Modern Europe and the New World - (New Course)**

***History and Literature 90v. Ancients and Moderns - (New Course)**

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

Primarily for Graduates

History 2110. Problems in Late Medieval, Renaissance/Reformation, and Early Modern Europe: Seminar - (New Course)

Catalog Number: 50731

Steven Ozment

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

History 2110 is designed for beginning graduate students and upper level undergraduates in search of a senior thesis, or pursuing a special interest. This course addresses both cutting edge historical debates and student presentations of topical readings chosen in consultation with Mr. Ozment.

[History 2111. Classical and Neo-Latin Literature in the Italian Renaissance: Seminar]

Catalog Number: 0123 Enrollment: Limited to 10.

James Hankins

Half course (spring term). Hours to be arranged.

This course studies the reception and interpretation of classical literary and philosophical texts between 1350 and 1600. Topics include the revivals of the ancient philosophical schools, the reception of ancient literary texts, and the revival and development of the classical genres in Renaissance Latin literature.

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of Latin and Italian.

***History 2112 (formerly *History 2473). Latin Texts of the Italian Renaissance: Proseminar**

Catalog Number: 0140

James Hankins

Half course (fall term). Tu., 2–4.

Introduction to methods and techniques of textual scholarship with reference to Renaissance Latin texts. Topics include finding and describing manuscript and printed sources; paleography and codicology; text editing; rhetorical analysis. Course includes a six-week paleography workshop held in Houghton Library.

Note: Enrollment by permission of the instructor. May not ordinarily be credited as one of the



research seminars required in the first-year program.

Prerequisite: A reading knowledge of Latin, French, Italian, and German.

History 2121. Cultural History of Early Modern Europe: Seminar - (New Course)

Catalog Number: 60428

Ann M. Blair

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course will examine different approaches in cultural history of early modern Europe and guide students through the stages of writing a major research paper. The syllabus will emphasize France 1500-1700, but students with the requisite background may write on a topic in another national context.

Note: Also open to advanced undergraduates, with the consent of the instructor.

[History 2123. Early Modern Intellectual and Cultural History: Proseminar]

Catalog Number: 3160

Ann M. Blair

Half course (fall term). Hours to be arranged.

This course is designed primarily for graduate students preparing a graduate field exam in early modern European intellectual and cultural history, but it is open to others with similar needs and preparation, with the consent of the instructor.

Note: Expected to be given in 2011–12. Students interested in this course should attend the first meeting of History 2121.

***History 2132 (formerly *History 2332). Early Modern England: Seminar**

Catalog Number: 7105 Enrollment: Limited to 10.

Mark A. Kishlansky

Half course (fall term). Hours to be arranged.

Students will conduct primary research on topics of significance in the history of England, ca. 1563–1714.

Note: Permission of instructor required.

History 2133 (formerly History 2902). Studies in Tudor and Stuart History: Proseminar

Catalog Number: 1428

Mark A. Kishlansky

Half course (fall term). Hours to be arranged.

A graduate colloquium designed for students preparing preliminary examinations in early modern history or interested in English historiography of the early modern period.

Historiographical papers and reviews.

Note: Open to undergraduates with permission of instructor.

Modern European History

For Undergraduates and Graduates

History 1213 (formerly History 1413). The Evangelical Tradition, c. 1700-2000

Catalog Number: 5888



David Hempton (Divinity School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Investigates the Evangelical tradition from its origins in the religious revivals of the eighteenth century to its contemporary role in American culture and society. Will explore the complexities of gender, ethnicity, social class, and political culture. Will make use of primary and secondary materials to shed light on Evangelical theology, spirituality, and cultural expression throughout the North Atlantic region and beyond.

Note: Offered jointly with the Divinity School as 2358.

History 1214 (formerly History 1414). Encountering the Other: The Expansion of the Christian West, 1650-1830

Catalog Number: 2392

David Hempton (Divinity School)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Investigates themes in the history of Christianity from the mid-seventeenth to the mid-nineteenth centuries. Will focus on European Christendom and its expansion to other parts of the world in the early modern period. What was at stake in the multifaceted cultural encounters between European Christianity and other religious traditions as Christianity expanded into new social spaces, and what was the relationship between Protestant and Catholic missionary movements and the expansion of the European seaborne empires?

Note: Offered jointly with the Divinity School as 2355.

[History 1224 (formerly History 1424). Britain Since 1760: Island, Europe, Empire]

Catalog Number: 2630

Maya Jasanoff

Half course (fall term). Hours to be arranged.

Survey history of Great Britain from the reign of George III to the administration of Tony Blair. These centuries witnessed Britain's spectacular emergence as the world's leading industrial and imperial power; and its dramatic decline in influence after World War II. How did Britons experience domestic and global change? Themes include political reform, social class, national identity, popular culture, rise and fall of empire, relations with Europe. Extensive use of written and visual primary sources.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1252 (formerly *History 72d). Paris From the French Revolution Through the 19th Century: Conference Course

Catalog Number: 6355 Enrollment: Limited to 15.

Patrice Higonnet and Henri Zerner

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Examines the art, literature, and history of the “capital of the 19th century.” Subjects will include Balzac, Flaubert, and Baudelaire; Delacroix, Manet, and Degas; the Revolutions of 1789, 1848, and 1871.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.



[History 1258 (formerly History 1458). “French Modern”, 1848-Present]

Catalog Number: 5919

Judith Surkis

Half course (fall term). Hours to be arranged.

Examines impact of and responses to political and cultural modernity in France from the mid-19th century forward. Themes and topics include: citizenship and its exclusions; social revolt and reform; urbanization and mass culture; population anxiety, anti-Semitism, and racism; imperial expansion and rule; war and decolonization; postwar development and May '68; "multiculturalism" and contemporary challenges to the republican model.

Note: Expected to be given in 2010–11.

***History 1259. European Sexual Modernities: Conference Course - (New Course)**

Catalog Number: 41825 Enrollment: Limited to 20.

Judith Surkis

Half course (spring term). Th., 2–4.

Explores how conceptions of desire and sexuality, gendered and raced bodies, have shaped major events and processes in modern Europe since 1750: the Enlightenment and empires; modern industry and the metropolis; political and sexual revolutions; consumption and commodities; war and ethnic conflict; fascism and the Cold War; debates surrounding multiculturalism and religion; postsocialism and globalization. Featuring: political and philosophical treatises; legislation and literature; film and visual sources.

[History 1260 (formerly History 1449). Nationalism and Socialism in 20th-Century Central Europe]

Catalog Number: 5125

Alison F. Frank

Half course (spring term). Hours to be arranged.

Introduction to theoretical literature concerning nationalism and socialism and to the history of the states of Central and Eastern Europe formed in the aftermath of WWI. Wedged between Germany and the USSR, the fledgling states of Central Europe struggled to balance nationalism and socialism as competing ways of interpreting the world and as programs for changing it. Their successes and failures will be placed in the context of the legacy of the Habsburg Empire.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1266 (formerly History 1456). Central Europe, 1789-1918: Empires, Nations, States]

Catalog Number: 3736

Alison F. Frank

Half course (spring term). Hours to be arranged.

Examines the development of nationalism and socialism as ideologies intended to shape the identities, public and private behavior, and political activities of subjects of the continental European empires in the long nineteenth century. Primary focus will be on the Habsburg Empire, with attention paid to other German-speaking lands and to the western territories of the Russian Empire (especially Poland).

Note: Expected to be given in 2010–11.



History 1270. Frontiers of Europe: Ukraine since 1500

Catalog Number: 1910

Serhii Plokhii

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

The history of Ukrainian territory and its people within a broad context of political, social and cultural changes in Eastern Europe in the course of the half of a millennium. Special emphasis on the role of Ukraine as a cultural frontier of Europe, positioned on the border between settled areas and Eurasian steppes, Christianity and Islam, Orthodoxy and Catholicism, as well as a battleground of major imperial and national projects of modern era.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1280 (formerly History 1531). History of the Soviet Union, 1917-1991

Catalog Number: 4501

Terry D. Martin

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Examines the history of the Soviet Union from the Russian Revolution to Gorbachev's failed reforms. Focus on the period 1928-53 when industrialization, nationalization and political terror created a distinct Soviet society and culture. Readings include novels, short stories, memoirs, Soviet propaganda, high policy deliberations, letters, journalism, songs, jokes, etc.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1281. The End of Communism - (New Course)

Catalog Number: 84441

Terry D. Martin and Alison F. Frank

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines how and why communism collapsed in the Soviet Union and Eastern Europe. Places the events of 1989/1991, usually considered sudden and shocking, within the political, economic, social, and cultural context of the surrounding decades (1970-2000). Considers both international and domestic factors, including the Cold War and the arms race; ideology and dissent; consumption and culture; oil, economics and the environment; nationalism and civil war; gender and health. Investigates the role of structural conditions and contingency in history.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

History 1285. Russia and the Great Eurasian Steppe

Catalog Number: 8443

Kelly A. O'Neill-Uzgiris

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduction to the history of Russian interactions with the peoples and states of the Eurasian steppe from the rise of Chinggis Khan to the fall of the Romanovs. Topics include the legacy of Mongol conquest, the importance of trade, and the Russian-Ottoman struggle for dominance in the region. How did the experience of Russia's Muslim inhabitants change over time? Did



Russia civilize the steppe? Emphasis on incorporating non-European voices into the narrative of Russian history.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

History 1290. The History of the Russian Empire

Catalog Number: 9566

Kelly A. O'Neill-Uzgiris

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

The history of Russia from the conquest of Kazan and Astrakhan in the sixteenth century to 1917. Topics include the struggle with "westernization", the nature of autocratic authority, the role of the Orthodox Church, the integration of non-Russian peoples, industrialization and modernization, and the inevitability of the revolutions of 1905 and 1917.

Cross-listed Courses

Celtic 107. Early Irish History

Ethical Reasoning 12. Political Justice and Political Trials

***History and Literature 90e. Imperial Intimacies: Bodies and Cultures, 1800-present**

***History and Literature 90y. London - Paris - Berlin - St. Petersburg: Capital Cities in Europe's Long Nineteenth Century - (New Course)**

Jewish Studies 135. Jewish-Arab Encounters: the Classical Age

[Slavic 196. Literature and Nationalism in Central Europe: Conference Course]

Societies of the World 11. Germany in the World, 1600-2000

Societies of the World 18 (formerly History 1205). Europe Since the Second World War

Societies of the World 19. Western Ascendancy: The Mainsprings of Global Power from 1600 to the Present - (New Course)

Primarily for Graduates

[History 2225. Britain and its Empire: Historiography: Proseminar]

Catalog Number: 4488

Maya Jasanoff

Half course (fall term). Hours to be arranged.

Intensive introduction to the historiography of modern Britain and the British Empire. Designed for graduate students intending to pursue general exams in this field, or preparing for research on British and imperial topics.

Note: Expected to be given in 2010–11.

[History 2242r (formerly History 2342r). The French Revolution: Seminar]

Catalog Number: 1914

Patrice Higonnet

Half course (fall term). Hours to be arranged.



The history of Paris during the French Revolution.

Note: Expected to be given in 2010–11.

[*History 2260 (formerly *History 2441). Central Europe: Seminar]

Catalog Number: 6464 Enrollment: Limited to 12.

Alison F. Frank

Half course (fall term). Hours to be arranged.

Major themes include nationalism, communism, the ‘Polish question,’ the ‘Jewish question,’ the political and economic viability of the Habsburg Empire, cultural exchange and diplomatic relations between Austria, Germany and the Russian Empire/Soviet Union.

Note: Expected to be given in 2010–11.

Prerequisite: Reading Knowledge of either German, Polish, Czech, or another Central European language.

***History 2261. Environmental History of Europe and the World: Proseminar - (New Course)**

Catalog Number: 69334 Enrollment: Limited to 12.

Alison F. Frank

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Introduces graduate students to recent scholarship on environmental history, with an emphasis on Europe and Europeans’ interactions with the rest of the world.

History 2262. France as Empire: Proseminar - (New Course)

Catalog Number: 48026 Enrollment: Limited to 15.

Mary D. Lewis

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Intensive introduction to the major historiographical debates regarding French imperialism/colonialism, covering its full geographic and temporal breadth (17th–20th c.).

History 2265 (formerly History 2475). Problems and Sources in Modern German History: Seminar

Catalog Number: 8355 Enrollment: Limited to 12.

David Blackbourn

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A research seminar that examines different ways of approaching German history in the nineteenth and twentieth centuries. We consider a variety of interpretations and methodologies. Particular attention is given to diverse source materials, including literary and visual sources.

Note: Reading knowledge of German not required.

History 2266. The Holocaust: Seminar - (New Course)

Catalog Number: 56805

Samuel D. Kassow

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Intensive investigation of the historiography of major topics of Holocaust scholarship including the genesis of the Final Solution, Jewish responses and the reactions of so-called "bystanders."



[History 2271 (formerly History 2532). The Soviet Union: Proseminar]

Catalog Number: 2405

Terry D. Martin

Half course (fall term). Hours to be arranged.

Introduction to major debates in the historiography of the Soviet Union and late imperial Russia.

Note: Expected to be given in 2010–11.

History 2272 (formerly History 2531). The Soviet Union: Seminar

Catalog Number: 7969

Terry D. Martin

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Introduction to archival and primary sources, as well as major historiographical debates. Primary focus on major research paper.

Prerequisite: Reading knowledge of Russian.

History 2285. Imperial Russia: Proseminar - (New Course)

Catalog Number: 48104 Enrollment: Limited to 12.

Kelly A. O'Neill-Uzgiris

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Intensive introduction to major problems, themes and approaches to the history of imperial Russia. Prepares students for the general exam but is open to all interested graduate students.

Cross-listed Courses

[Culture and Belief 20 (formerly Historical Study A-27). Reason and Faith in the West]

Historical Study B-35. The French Revolution: Causes, Processes, and Consequences

[Historical Study B-54. World War and Global Transformation in the 20th Century: World War II]

[History of Science 287. Heidegger and Technology: Seminar]

Intellectual History

For Undergraduates and Graduates

[History 1300 (formerly History 20a). Western Intellectual History: Greco-Roman Antiquity]

Catalog Number: 6308

James Hankins

Half course (fall term). Hours to be arranged.

A survey of major themes in the intellectual history of the Greek and Roman World, with special attention to metaphysics, psychology, epistemology, ethics, politics, and the philosophic life. Readings in the Presocratics, Plato, Aristotle, Lucretius, Epictetus, Cicero, Seneca, Marcus Aurelius, Plotinus, Augustine, and Boethius.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B or Moral Reasoning, but not both.



[History 1301 (formerly History 20b). Western Intellectual History: The Middle Ages to the Seventeenth Century]

Catalog Number: 7573

James Hankins

Half course (spring term). Hours to be arranged.

A survey of major themes in medieval and early modern intellectual history. Readings in Anselm, Abelard, Thomas Aquinas, William of Ockham, Petrarch, Machiavelli, Thomas More, Martin Luther, Montaigne, Francis Bacon, Descartes, Hobbes.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1304 (formerly History 1470). Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism

Catalog Number: 7131

Peter E. Gordon

Half course (fall term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

An introduction to major landmarks in Continental philosophy and social theory in the modern period, beginning with Nietzsche. Focuses on the various challenges to traditional enlightenment notions of freedom and subjectivity in psychoanalysis, Critical Theory, existentialism, French structuralism, and post-structuralism.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1305. The European Enlightenment: Conference Course]

Catalog Number: 3702 Enrollment: Limited to 15.

James Hankins

Half course (spring term). Hours to be arranged.

Reading and discussion of major texts of the European Enlightenment, from the late 17th century to the late 18th century, with particular attention to the intellectual community that produced the Encyclopédie and to the theory of religion. Readings in Spinoza, Locke, Bayle, Montesquieu, La Mettrie, Voltaire, D'Alembert, Diderot, Rousseau, Hume and Kant.

Note: Expected to be given in 2010–11.

History 1318. History of the Book and of Reading

Catalog Number: 7410

Ann M. Blair

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the cultural history of the book and its functions as both material object and text. Major themes include the techniques of book production, authorship, popular and learned readership, libraries and censorship. The course surveys developments from scroll to web with a special focus on printing and developments in early modern Europe, 16th-18th centuries.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1321 (formerly History 1471). The Thought of Martin Heidegger]

Catalog Number: 5691



Peter E. Gordon

Half course (fall term). Hours to be arranged.

A lecture course on the development of the ideas of the German philosopher Martin Heidegger. Mostly a sustained, critical reading of his monumental 1927 text, *Being and Time*. We will also discuss some of his later contributions to theories of technology, language, and art; as well as the controversy surrounding his engagement with Nazism.

Note: Expected to be given in 2010–11.

Prerequisite: History 1304; Social Studies 10; or a course in introductory philosophy or continental political theory.

[History 1322. Heidegger and Arendt]

Catalog Number: 1906

Peter E. Gordon

Half course (spring term). Hours to be arranged.

This course investigates the complex philosophical affiliation between Martin Heidegger and Hannah Arendt. Will understand how various themes of Heideggerian philosophy were borrowed, displaced, revised, and challenged in Arendt's political theory. In the first half of the course we will read texts by Heidegger, esp. selections from *Being and Time*, and *An Introduction to Metaphysics*. In the second half of the course we will read Arendt's major theoretical works, including *Origins of Totalitarianism*, *The Human Condition*, and *On Revolution*.

Note: Expected to be given in 2010–11.

History 1330 (formerly History 1661). Social Thought in Modern America

Catalog Number: 8440

James T. Kloppenberg

Half course (fall term). Tu., Th., 11:30-1; EXAM GROUP: 13, 14

An inquiry into American ideas since 1890, examining developments in political and social theory, philosophy, and literature in the context of socioeconomic change. Topics include the breakdown of Victorian idealism and *laissez-faire*; the emergence of social science and progressivism; conflicts over gender, race, and ethnicity; interwar cultural ferment and political reform; post-World War II theories of consensus and 1960s radicalism; and the consequences for democracy of our contemporary culture of irony.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1340 (formerly History 1454). French Social Thought from Rousseau to Foucault and Beyond]

Catalog Number: 4665

Judith Surkis

Half course (fall term). Hours to be arranged.

Examines trends in French social thought as dialogues between thinkers and between thinkers and their historical contexts. Covers liberalism, conservatism, republicanism, socialism, existentialism, structuralism, Marxism, feminism, and anti-colonialism. Readings from Rousseau, de Maistre, Saint-Simon, Tocqueville, Durkheim, Mauss, Bataille, Levi-Strauss,



Sartre, de Beauvoir, Fanon, Althusser, Foucault, Bourdieu, Rosanvallon.

Note: Expected to be given in 2010–11.

[History 1345. The Human Sciences in the Modern West]

Catalog Number: 1324

Andrew Jewett

Half course (fall term). Hours to be arranged.

This course offers an historical overview of the human sciences, a group of disciplines that includes not only sociology, anthropology, psychology, political science, and economics, but also "borderland" fields such as psychiatry, law, history, linguistics, and philosophy. Ranging from the early modern period to the postmodern era, the course examines pivotal changes in how Westerners have used scientific methods to represent and analyze "the human," while situating these changes in their cultural and political contexts.

Note: Expected to be given in 2010–11.

[History 1350. Theories of Secularization: Conference Course]

Catalog Number: 5865 Enrollment: Limited to 15.

Peter E. Gordon

Half course (spring term). Hours to be arranged.

This advanced undergraduate course surveys various debates concerning the historical process and philosophical-political significance of secularization, especially the secularization of political norms. The course concentrates on the history of European thought since 1650, with special reference to the encounter between Western monotheistic religion and rationalist modes of criticism that first emerged with the scientific revolution. Readings from: Veyne, Febvre, Marx, Weber, Schmitt, Löwith, Strauss, Blumenberg, and Taylor.

Note: Expected to be given in 2010–11.

History 1390 (formerly History 1984). Understanding Democracy through History

Catalog Number: 1517

Alexander Keyssar (Kennedy School)

Half course (spring term). M., W., 2:40–4. EXAM GROUP: 7, 8

Examines the evolution of democracies in different nations over extended periods of time, and will focus on one fundamental issue: Under what circumstances or conditions have democracies (or political rights) expanded, and under what circumstances of conditions have they contracted? Readings will include historical studies as well as comparative theoretical works.

Note: Offered jointly with the Kennedy School as DPI-703. This course may be lotteried.

Cross-listed Courses

***History and Literature 90j. The Paradoxes of Progress**

***History and Literature 90z. Theory of History and Literature - (New Course)**

Primarily for Graduates

History 2300. Methods in Intellectual History: Proseminar

Catalog Number: 7779 Enrollment: Limited to 15.



Peter E. Gordon and Michael J. Puett

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Introduction to advanced research in intellectual history with special reference to philosophy and political thought. Readings will include primary and secondary materials drawn from East-Asian and Euro-American traditions.

[*History 2321. Methods in Book History: Seminar]

Catalog Number: 5169 Enrollment: Limited to 15.

Ann M. Blair and Leah Price

Half course (fall term). Hours to be arranged.

Will introduce students to methods and debates in the history of the book and of reading.

Primarily for graduates; open to advanced undergraduates by consent of the instructors.

Note: Expected to be given in 2010–11.

History 2330 (formerly History 2410). Ideas in Europe in the 18th Century: Seminar

Catalog Number: 1077

Emma Rothschild

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A graduate seminar which examines a number of 18th century writings (by Hume, Smith, Wollstonecraft, and Condorcet) and ideas (enlightenment, religion, empire), and explores different ways of writing about the history of ideas.

***History 2340 (formerly *History 2662 & *History 2662hf). Readings in American Thought**

Catalog Number: 8845 Enrollment: Limited to 20.

James T. Kloppenberg

Half course (spring term). M., 1–3.

An examination of classic and contemporary histories of American thought.

[History 2345 (formerly History 2664). Race and African-American Intellectual History: Seminar]

Catalog Number: 6804

Evelyn Brooks Higginbotham

Half course (spring term). Hours to be arranged.

A research seminar in African-American intellectual history.

Note: Expected to be given in 2010–11.

History 2350. Research Seminar in the History of Education: Seminar - (New Course)

Catalog Number: 77605

Julie A. Reuben (Education School)

Half course (spring term). Tu., 2:30–5:30.

This course offers students the opportunity to conduct original research in the history of education.

Note: Offered jointly with the Graduate School of Education as S-508.

Cross-listed Courses



United States History

For Undergraduates and Graduates

[History 1410. American Families, 1600-1900] - (New Course)

Catalog Number: 20517

Laurel Thatcher Ulrich

Half course (spring term). Hours to be arranged.

Family forms in the United States have varied widely over the centuries. This course will consider the radical innovations of 17th century Puritans, eighteenth-century Moravians, and nineteenth-century Mormons; the role of the family in debates over slavery, immigration, and the status of American Indians; and the impact of legal, economic, and social changes on mainstream ideals and practices. Readings will include a wide variety of family records as well as public documents.

Note: Expected to be given in 2010–11.

History 1415 (formerly *History 84d). The Nine Lives of Benjamin Franklin: Conference Course

Catalog Number: 6296 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (fall term). Th., 2–4.

Examines some of the multiple lives that Franklin led during the eighteenth century. Students examine in depth one of these lives or identify and explore yet another, to better comprehend Franklin and the worlds in which he lived: colonial America, British empire, independent US, books, science, popular culture, politics, war, personal improvement, and many others.

History 1433. American Populisms: Thomas Jefferson to Rush Limbaugh - (New Course)

Catalog Number: 86765

Brett Flehinger

Half course (fall term). Tu., Th., at 10; W., at 4; Th., at 1. EXAM GROUP: 12

This course studies the American Populist tradition that defines the common "people" as the centerpiece of American economic and political life and thrives on opposition between the people and "elite" interests. The class focuses on the formal Populist movement and the People's Party of the late nineteenth century, and places this history in broader context, from Jeffersonian tradition through the rise of anti-elitist and anti-government movements characterized by Ronald Reagan and Rush Limbaugh.

History 1437. Asian American History - (New Course)

Catalog Number: 70994

Denise Khor

Half course (fall term). M., W., at 10; Tu., 8–10 p.m. EXAM GROUP: 3

This course explores the major concepts and themes in Asian American history from the mid 1800s to the present. The course contextualizes the communities and politics of Asian immigrants with the history of state power, capitalism, and social inequalities.



History 1438. Comparative Race and Ethnicity in the U.S. - (New Course)

Catalog Number: 86101

Denise Khor

Half course (spring term). M., W., at 10. EXAM GROUP: 3

This course explores the history of comparative racial formation in the United States. We will explore the production of racial meanings across the historical processes of settler colonialism, slavery, migration, empire, capitalism, and nation-building.

[History 1440 (formerly History 1639). The Expanding United States, 1803–1917]

Catalog Number: 9411

Rachel St. John

Half course (spring term). Hours to be arranged.

Will explore the history of 19th century American expansion, from 1803 when the US was an adolescent republic bounded by the Mississippi River and inhabited by a relatively homogeneous population, to 1917 when an expansive federal government presided over a continent-spanning nation, overseas territorial possessions, an industrial, capitalist economy, and a diverse population struggling over political inclusion, economic equity, and national identity.

Note: Expected to be given in 2010–11.

History 1441 (formerly History 1641). History of the US West

Catalog Number: 3887

Rachel St. John

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

This lecture course will introduce students to the history of the place that we now know as the US West from before European expansion to the present. Lectures and readings will examine how both particular national boundaries and distinctive regional patterns have defined the West. Drawing on histories, memoirs, journals, films, and images, students will explore a variety of perspectives on the political, economic, social, cultural, and environmental transformations of the American West.

[History 1455 (formerly History 1650a). The United States in the World, to 1920]

Catalog Number: 3435

Erez Manela

Half course (fall term). Hours to be arranged.

American foreign relations from the colonial period through World War I. Topics include the transition from colonial to imperial status; the changing role of the US in international relations; interaction between domestic politics and foreign policy; political, economic, and cultural relationships between Americans and other peoples.

Note: Expected to be given in 2010–11. Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1457. History of American Capitalism - (New Course)

Catalog Number: 75535 Enrollment: Limited to 100.

Sven Beckert

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines the development of the American economy from its beginnings to the present. Focuses



on the nature of economic change during the past 400 years and the reasons for and effects of capitalist growth. Topics include Native-American economies, the industrial revolution, slavery, the rise of new business structures, labor relations, and technological change.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B. Students who have taken Historical Study B-49 may not take this course for credit.

History 1465 (formerly History 1650b). The United States in the World, since 1900

Catalog Number: 4745

Erez Manela

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

This course provides a broad-ranging view of U.S. interactions with the wider world from the Spanish-American War through 9/11. Topics we explore include war, international politics, economic relations, the role of ideology, cultural influences, globalization, and non-state actors.

Note: This course, when taken for a letter grade, meets the General Education requirement for The United States in the World or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

History 1495 (formerly History 1672). The US in the 1960s

Catalog Number: 5900

Lisa M. McGirr

Half course (fall term). M., W., at 11. EXAM GROUP: 4

An introduction to the main developments in American society, culture, and politics during the premiere liberal decade of the 20th century. Topics include the New Frontier, the Great Society, the Vietnam war, the Civil Rights movement, the student movement, the counter-culture, and the rise of populist conservatism.

Cross-listed Courses

African and African American Studies 118. African American History from the Slave Trade to 1900

Ethical Reasoning 12. Political Justice and Political Trials

Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America]

Historical Study B-61. The Warren Court and the Pursuit of Justice, 1953–1969

***History and Literature 90a. "The Golden State" as North, East, and West**

***History and Literature 90aa. Possessions and Belongings: The Consumer Revolution in 18th-Century America - (New Course)**

***History and Literature 90l. Stories of Slavery and Freedom**

Studies of Women, Gender, and Sexuality 1200fh. Feminism in Historical Contexts

United States in the World 19. American Food: A Global History - (New Course)

Primarily for Graduates

History 2400 (formerly History 2600). Readings in Colonial and Revolutionary America: Proseminar



Catalog Number: 9176

Vincent Brown

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

An introduction to scholarly literature on colonial and revolutionary America. Required for History Department graduate students specializing in US history. Open to those from other fields or programs.

[History 2402. American Food: Seminar]

Catalog Number: 1656 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (spring term). Hours to be arranged.

From the starving time at Jamestown to present-day concerns over obesity, food has been central to the American experience. But what is American about American food? Students will address that question through independent research.

Note: Expected to be given in 2010–11.

History 2403. Harvard Collections in World History (Graduate Seminar in General Education) - (New Course)

Catalog Number: 72039 Enrollment: Limited to 15.

Laurel Thatcher Ulrich and Ivan Gaskell

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Participants in the seminar will explore Harvard's vast collections of tangible things, from rocks to medical specimens to works of art. They will also design and develop an undergraduate General Education course that will employ objects to teach history.

History 2405. Politics, Social Life, and Law in Jeffersonian America: Seminar - (New Course)

Catalog Number: 41698 Enrollment: Limited to 20.

Annette Gordon-Reed

Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

This seminar examines politics, law, and social life in the United States from 1776 to 1828, discussing well-known members of the founding generation while considering the role of women, enslaved people, and the working class.

Note: Open to advanced undergraduates with permission of instructor. Offered jointly with the Law School as LAW-98055A.

[History 2412 (formerly History 2665). Topics in the History of Atlantic Slavery: Seminar]

Catalog Number: 4231

Vincent Brown

Half course (fall term). Hours to be arranged.

Will introduce graduate students to major synthetic works on the history of Atlantic slavery, surveying the period between the mid-15th century and the late 19th, and provide them an opportunity to develop original research projects.

Note: Expected to be given in 2010–11.



History 2442 (formerly History 2602). Readings in the History of the US in the 19th Century: Proseminar

Catalog Number: 2383 Enrollment: Limited to 12.

Sven Beckert

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

The second in the sequence of three proseminars required of all graduate students in American history and open to graduate students in other history fields and other departments as space permits.

[*History 2461 (formerly *History 2601). The US in the 20th Century: Seminar]

Catalog Number: 1270 Enrollment: Limited to 12.

Lizabeth Cohen

Half course (fall term). Hours to be arranged.

Research on topics in 20th-century US history.

Note: Expected to be given in 2010–11.

Prerequisite: Permission of instructor.

[History 2462 (formerly History 2607). Readings in the US in the 20th Century: Proseminar]

Catalog Number: 2931

Instructor to be determined

Half course (spring term). Hours to be arranged.

The third proseminar required of all graduate students in American history. Readings in classics and recent monographs, with attention to politics, social life, and culture.

Note: Expected to be given in 2010–11.

History 2463 (formerly History 2661). Graduate Readings in 20th-Century African-American History: Seminar

Catalog Number: 9004 Enrollment: Limited to 10.

Evelyn Brooks Higginbotham

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Covers key literature on themes and developments shaping the national experience of African Americans from Redemption to the emerging multi-racial Republic.

History 2464hf. Transnational America from Above and Below: Seminar - (New Course)

Catalog Number: 88933

Vincent Brown and Walter Johnson

Half course (throughout the year). M., 4-6, plus an occasional additional meeting to be arranged. EXAM GROUP: 9

The workshop will develop a global, imperial, and national account of the historical coordinates of migration, immigration, and diaspora in United States history, mapping the patterns traced by commercial, military, and legal power alongside the movements of people, their ideas, and their political struggle.

Note: Students will be required to participate in the bi-weekly seminar meetings and write a research paper on a topic approved by the instructors.



***History 2470hf (formerly *History 2640hf). Workshop in 20th-Century US History**

Catalog Number: 0565

Lizabeth Cohen

Half course (throughout the year). Hours to be arranged.

For dissertation writers only.

Prerequisite: Permission of the instructor.

History 2480hf (formerly History 2650hf). The Political Economy of Modern Capitalism: Seminar

Catalog Number: 3719

Sven Beckert and Christine Desan (Law School)

Half course (throughout the year). M., 4–6. EXAM GROUP: 9

A year-long research and reading course on the history of capitalism during the past 300 years.

Note: Offered jointly with the Law School as 98060A-1FS.

Cross-listed Courses

African and African American Studies 218. Topics in African American History

[*American Civilization 200 (formerly *American Civilization 370). Major Works in the History of American Civilization]

***American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization**

Economics 2339. The Economic History Workshop

Latin American History

For Undergraduates and Graduates

History 1505. Mexico and the Difficulties of Rule: A Historical Inquiry - (New Course)

Catalog Number: 60965

Sergio Silva-Castañeda

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

This is a survey of Mexican history since 1810 that focuses on the development, successes and failures of the Mexican state. This course seeks to use history as a tool to understand recent controversies about the viability of the Mexican state, and its relation with economic development, political mobilization and organization, social unrest, cultural developments, international relations, natural disasters, and public health.

History 1506. Central American and Mexican (or Mesoamerican) Peoples: 1500-1840 - (New Course)

Catalog Number: 88679

Rodolfo Fasquelle Pastor

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

The Spanish conquerors of the Mesoamerican peoples designed policies to preserve them as a labor force while maintaining their traditional institutions. Gradually race and culture mixtures demanded adaptations and generated new ethnic groups and identities. Despite later policies to



assimilate them culturally, the peoples of Mesoamerica survive today as significant minorities who participate actively in national life. We will study how these peoples adapted while rebelling against and accommodating systemic demands and resisting change.

Cross-listed Courses

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations

Primarily for Graduates

Asian, African, and Middle Eastern History

For Undergraduates and Graduates

[History 1618. Telling Lives in Asia: Conference Course]

Catalog Number: 9771 Enrollment: Limited to 15.

Hue-Tam Ho Tai

Half course (spring term). Hours to be arranged.

Using sources ranging from diaries and memoirs to biographies, autobiographies, records of interrogations, resumes and self-criticisms, this course will explore the ways in which individuals make sense of their lives and the lives of others in Asia. Through the examination of the themes and tropes deployed in models such as the lives of Confucian notables and Buddhist monks, Catholic conversion narratives, Communist memoirs and self-criticisms, we will explore the relationship between self, nation, and narration.

Note: Expected to be given in 2010–11.

History 1619 (formerly History 1820). Premodern Vietnam

Catalog Number: 4581

Hue-Tam Ho Tai

Half course (fall term). M., W., at 2. EXAM GROUP: 7

Vietnamese history from antiquity to the founding of the Nguyen dynasty in 1802 with emphasis on the period following independence from China in the 10th century. Topics include the Sinicization of Vietnam and the sources of Vietnamese national identity; tensions between aristocratic and bureaucratic rule; territorial expansion and national division; first contacts with the West; the changing status of women.

History 1620 (formerly History 1821). Modern Vietnam

Catalog Number: 8192

Hue-Tam Ho Tai

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Survey of Vietnamese history from 1802 to the present. Covers the period of unified rule under the Nguyen dynasty, French colonial conquest, the struggle for independence, the Vietnam War, and the recent unification under Communism. Major topics include the relationship between the state, the village, and the individual; the transformation of Vietnamese society, culture, and



politics under French rule; the rise of nationalism and Communism; the causes and consequences of the Vietnam War.

History 1623 (formerly History 1851). 20th-Century Japan

Catalog Number: 8696

Andrew Gordon

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Explores Japan's emergence as a world power and the Japanese experience of modernity.

Examines politics, social movements, and culture of the imperial era; the experience of World War II and postwar occupation; the "economic miracle" and postwar political economy; social and cultural transformation. Concludes by considering historical context for issues of the present day ranging from economic crisis to tensions with Japan's Asian neighbors.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1627. China in the Wider World, 1600-2000 - (New Course)

Catalog Number: 99548

Henrietta Harrison

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

This course examines China's modern history from the point of view of its interconnections with the rest of the world. It provides a general overview of the history of modern China, and some standard theoretical frameworks for China's foreign relations, but also considers the many different ways in which China has shared in world history ranging from environmental history and the spread of global religions, to international trade and the development of modern nationalism.

Note: This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[History 1700 (formerly History 1904). The History of Sub-Saharan Africa to 1860]

Catalog Number: 5936

Emmanuel K. Akyeampong and Caroline M. Elkins

Half course (spring term). Hours to be arranged.

Survey of sub-Saharan Africa to 1860, with attention to the range of methodologies used in writing early African history, including oral history, archaeology, and anthropology. Will address themes of the impact of climate change on migration and settlement, trade and commerce, state formation, slavery, and the impact of Islam and Christianity on the continent. Will provide a methodological and historiographical framework in which more specific historical processes and events may be placed and understood.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1701 (formerly History 1907). West Africa from 1800 to the Present]

Catalog Number: 4650

Emmanuel K. Akyeampong



Half course (fall term). Hours to be arranged.

Explores the internal dynamics of West African states from 1800, and West Africa's relations with the wider world. Examines African perspectives of colonialism, nationalism, and the transfer of political power. Concludes with the study of the continued struggle of independent West African states to achieve economic independence.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1710. Africans and Europeans in Francophone Africa, 1800-1970 - (New Course)

Catalog Number: 42821

Charlotte M. Walker

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course explores French colonialism in Africa from Napoleon's campaign in Egypt to the Algerian War. It examines the transformation of ideas of race, gender, science, governance, and development in a Francophone African context. North Africa, French West and French Equatorial Africa and these regions' experiences with market capitalism, medical technology, cultural imperialism, and military intervention are discussed. An analysis of the legacies of French imperial republicanism will close the course.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1877a (formerly History 1877). History of the Near East, 600-1055]

Catalog Number: 1770

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

A survey of the history of the Near East and North Africa from the rise of Islam in the 7th century to the Turkish ascendancy in the mid-11th century. Includes Muhammad and his community, Arab conquests, Umayyads and Abbasids, sectarian movements, minority communities, government and religious institutions, and relations with Byzantium and the Latin West.

Note: Expected to be given in 2010–11.

History 1877b (formerly *History 78b). History of the Near East, 1055-1500: Conference Course

Catalog Number: 3026 Enrollment: Limited to 20.

Roy Mottahedeh

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Surveys history of the Near East from the coming of the steppe peoples to the Ottoman conquest of Egypt. Includes Seljuks, Crusades, Mongols, and the fall of the Abbasid caliphate, Mamluks, the development of Mediterranean and Indian Ocean trade, and the Timurids and their successors.

Prerequisite: History 1877a helpful, but not required.

History 1878a. Ottoman State and Society I (1300–1550)

Catalog Number: 5471

Cemal Kafadar



Half course (spring term). Tu., Th., (F.), at 11. EXAM GROUP: 4, 13

Surveys the emergence of the Ottoman state from a frontier principality into a world empire in its sociopolitical and cultural contexts. Topics include pre-Ottoman Anatolia; frontier society; methods of conquest; centralization of power; classical institutions of the land regime and of the central administration; urbanization; religion and literature. Relations with Byzantium, other Islamic states, and Europe are examined.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

[History 1878b. Ottoman State and Society II (1550-1920)]

Catalog Number: 6470

Cemal Kafadar

Half course (spring term). Hours to be arranged.

Surveys the transformations of the Ottoman order in the Middle East and southeastern Europe in the early modern era and in the long nineteenth century until the demise of the state. Topics include changes in the conduct of state; social and religious movements; the impact of the new world economy and new trade routes; relations with Europe; emergence of nationalism; the 'Eastern Question.' Ethnic structure, rural society, urban popular culture, guilds, gender and family life are also examined. The importance of this era for understanding today's Middle East is stressed.

Note: Expected to be given in 2010–11.

[History 1890 (formerly History 1890b). The Economic History of the Middle East Since World War II]

Catalog Number: 1249

E. Roger Owen

Half course (spring term). Hours to be arranged.

A critical overview of the processes of economic growth and transformation in the Middle East from World War II to the present. Countries to be studied include Egypt, Syria, Lebanon, Jordan, Iraq, the Arab states of the Arabian Peninsula, Israel/Palestine, Iran and Turkey.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1891. Understanding the Middle East since 1945: The Basic Socio-Economic and Political Structures - (New Course)

Catalog Number: 56932

E. Roger Owen

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The aim of the course is to set out the main structures and processes which underlie the contemporary political and economic systems in the Middle East, including the Arab countries, Iran, Israel and Turkey. For the Arab countries these include the development of the 'security state' with its associated practices of crony capitalism, managed elections and controlled opposition, as well as a particular style of conducting intra-Arab relations. For the non-Arabs, pluralism, civil/military relations and political religion.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.



Cross-listed Courses

[African and African American Studies 157. Readings in the History of Law in Africa - \(New Course\)](#)

[Arabic 162. Introduction to the Modern Arab World I](#)

[Arabic 170. Introduction to the Arab World II: Politics, Religion, and Culture from World War I to Present](#)

[Chinese History 113. Society and Culture of Late Imperial China](#)

[Chinese History 118. Beyond the Great Wall: History of Relations between China and Inner Asia](#)

[East Asian Studies 175. The History of Modern Science and Technology in East Asia](#)

[East Asian Studies 191. Zen: History, Culture, and Critique - \(New Course\)](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[Historical Study A-13. China: Traditions and Transformations](#)

[Historical Study A-14. Japan: Tradition and Transformation](#)

[Historical Study A-16. Modern South Asia in Global History]

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas]

[Historical Study B-68. America and Vietnam: 1945-1975](#)

[*History and Literature 90w. Europe and Africa: Colonial and Postcolonial Encounters - \(New Course\)](#)

[Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology](#)

[Japanese History 115. Religion and Society in Edo and Meiji Japan](#)

[Japanese History 120. Religion and Society in Twentieth-Century Japan](#)

[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]

[Japanese History 126. Shinto: Conference Course]

[Japanese History 130. Edo Japan in the History of Curiosity]

[Japanese History 131. Constitutions and Civil Society in Japanese History]

[Japanese History 145. Lady Samurai in Medieval Japan - \(New Course\)](#)

[Japanese History 146. Kyoto: The Capital of Medieval Japan - \(New Course\)](#)

[Japanese History 261. Books Since 2000: New Trends and Directions in Medieval Japanese History: Seminar - \(New Course\)](#)

[Korean History 111. Traditional Korea](#)

[Korean History 118. Social History of Premodern Korea](#)

[Persian 150r. Readings in Persian Historians, Geographers and Biographers](#)

Primarily for Graduates

[History 2622 (formerly History 2822). Readings on the 1949 Revolution in China: Seminar]

Catalog Number: 0617

Henrietta Harrison

Half course (spring term). Hours to be arranged.

This course examines the social and political history of the communist revolution. It also provides an introduction to finding, reading and translating materials for 20th century Chinese history including newspapers, memoirs, diaries, published government documents and archives.



Note: Expected to be given in 2011–12. Open to qualified undergraduates.

Prerequisite: Reading knowledge of Chinese.

History 2623 (formerly History 2823). Readings in Modern Chinese History: Proseminar

Catalog Number: 3460

Henrietta Harrison

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A graduate colloquium designed for students preparing for general examinations in modern Chinese history or interested in the historiography of modern China.

[History 2624 (formerly History 2848a & History 2848b). Introduction to Archival Research in Chinese History: Seminar]

Catalog Number: 1863

Mark C. Elliott

Half course (fall term). Hours to be arranged.

Training in the use of a wide array of reference tools and sources for research in the history of late imperial China, focusing upon the reading and analysis of Qing archival documents. The course aims to familiarize students with the Qing communications system and to prepare students for doctoral research in China. Students will write a seminar paper based on original research incorporating the types of materials introduced in class.

Note: Expected to be given in 2010–11. Open to qualified undergraduates with permission of instructor.

Prerequisite: Chinese 106b or equivalent foundation in literary Chinese.

***History 2651 (formerly *History 2851). Japanese History: Seminar**

Catalog Number: 5146 Enrollment: Limited to 15.

Andrew Gordon

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Students write research papers on topics of their own choosing drawing on sources in Japanese, and other languages as appropriate.

Prerequisite: Reading knowledge of Japanese.

History 2653 (formerly History 2853). Historiography of Modern Japan: Proseminar

Catalog Number: 4442

Andrew Gordon

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A critical introduction to the historiography of modern Japan, with emphasis on English-language scholarship.

[History 2692 (formerly History 2892). Colonial and Post-Colonial Histories of South Asia: Seminar]

Catalog Number: 8502

Sugata Bose

Half course (fall term). Hours to be arranged.

Analyzes trends and debates in historical research and writing on colonial and post-colonial



South Asia.

Note: Expected to be given in 2010–11.

[History 2708 (formerly History 2908). Sources, Methodology, and Themes in African History: Seminar]

Catalog Number: 5861 Enrollment: Limited to 12.

Emmanuel K. Akyeampong

Half course (fall term). Hours to be arranged.

Seminar to equip graduate students with the necessary tools for archival research and fieldwork, as well as to introduce them to recent approaches in the historiography.

Note: Expected to be given in 2010–11.

Prerequisite: A graduate field on Africa.

History 2709 (formerly History 2909). Themes in Modern Sub-Saharan African History: Proseminar

Catalog Number: 5840 Enrollment: Limited to 14.

Caroline M. Elkins

Half course (fall term). W., 9–11.

An in-depth study of the major themes in sub-Saharan African history from the mid-19th century to the present, including the scholarship and debates on the changing relationship between Africa and the West.

Note: Open to undergraduates with permission of instructor.

[History 2805 (formerly History 2905). Gender and Sexuality: Comparative Historical Studies of Islamic Middle East, North Africa and South Asia: Seminar]

Catalog Number: 8070

Afsaneh Najmabadi

Half course (fall term). Hours to be arranged.

Informed by theories of gender and sexuality, this seminar investigates how historically notions of desire, body, sex, masculinity, femininity, gender and sexual subjectivities have formed and reformed in Islamicate cultures of the Middle East, North Africa, and South Asia.

Note: Expected to be given in 2010–11.

History 2882. Readings in the History of Iraq, 1900-2006: Seminar

Catalog Number: 4735

E. Roger Owen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Readings selected to provide an understanding of Iraq's 20th-century political and socio-economic history.

History 2884. Topics in Ottoman Social and Cultural History: Seminar

Catalog Number: 3762

Cemal Kafadar

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Topic to be announced.

Prerequisite: Reading knowledge of Turkish.



History 2885. Introduction to Archival Research in Ottoman History: Proseminar

Catalog Number: 3274

Cemal Kafadar

Half course (spring term). Tu., 1–4.

A survey of archival collections related to Ottoman history. Introduction to the archives of the central government, pious endowments, provincial administrations, and court records.

Prerequisite: Reading knowledge of Turkish.

History 2886. Topics in Islamic History: Seminar

Catalog Number: 3470

Roy Mottahedeh

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Topic to be announced.

History 2887b. Debates in the Political and Ideological History of the Middle East: Seminar

Catalog Number: 4102

E. Roger Owen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Major questions and debates in modern Arab political and ideological writings including Orientalism, Arab and local nationalism, religious revival, power and authority, and the difficulties of establishing democratic institutions.

Cross-listed Courses

Chinese History 200r (formerly Chinese History 200). Computational Methods for Historical Analysis

[Chinese History 224. Introduction to T'ang and Sung Historical Sources]

Chinese History 228. Introduction to Neo-Confucianism

Chinese History 232r (formerly Chinese History 232). Topics in Han History

[Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar]

Chinese History 251. Confucian Ethics: Conference Course

[Chinese History 253r. Topics in Late Imperial History] - *(New Course)*

[Chinese History 255. Popular Religion in Late Imperial China: Historiography]

Chinese History 256r (formerly Chinese History 256). Documents for the Study of Chinese Local History

Chinese History 265r. Topics in the History of China and Inner Asia - (New Course)

East Asian Studies 205. Approaches to the Comparative History of Medicine and the Body

[East Asian Studies 211. Historical Theory and Methods]

[East Asian Studies 230r (formerly East Asian Studies 230). The History of East Asian Medicine: Seminar]

[Japanese History 213. Sesshu]

[Japanese History 224. Teaching Japanese Religions: Pedagogical Issues and Course Design]

Japanese History 255. Topics in the Study of Shinto

Japanese History 260r. Topics in Japanese Cultural History



[Japanese History 265. The Muromachi Period: Culture and Context] - (New Course)

***Korean 300. Reading and Research**

[Korean History 230r. Readings in Premodern Korean History](#)

[\[Korean History 235r. Historical Research in Korea \]](#)

[Korean History 240r. Selected Topics in Premodern Korean History: Seminar](#)

[Korean History 253r. Modern Korean History: Proseminar](#)

[\[*Korean History 255r. Modern Korean History: Seminar\]](#)

[Korean History 260r \(formerly Korean History 260hfr\). Readings in Modern Korean History](#)

International History

For Undergraduates and Graduates

[History 1920 \(formerly History 10c\). A Global History of Modern Times](#)

Catalog Number: 1925

Charles S. Maier

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

A history of world societies from the end of the 18th century until the present. Covers such transnational forces as demographic change, religious revivals, and technological and economic development; comparative political transformations, such as the impact of revolutionary ideologies on rural and urban life; and the interactions between different global regions, whether as a consequence of imperialism and war, economic trade and investment, or cultural diffusion. *Note:* This course, when taken for a letter grade, meets the General Education requirement for Societies of the World or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[History 1921 (formerly History 1961). International Financial History, 1700 to the Present]

Catalog Number: 9661

Niall Ferguson

Half course (fall term). Hours to be arranged.

An introduction to modern financial history from the first stock market bubbles to the most recent. Topics include money and banking, public debt and bond markets, corporations and stock markets, investment banking, cross-border capital flows, private insurance and welfare systems, mortgages, consumer credit, privatization, emerging markets, derivatives and hedge funds. Special attention will be paid to the role of financial institutions and financial crises in economic and political development.

Note: Expected to be given in 2010–11.

[*History 1964 (formerly *History 89e). International History: War, Peace, and International Organizations: Conference Course]

Catalog Number: 7774 Enrollment: Limited to 25.

Niall Ferguson and Charles S. Maier

Half course (fall term). Hours to be arranged.



A comparative approach to the history of international society, including sources of conflict and efforts at peacemaking, imperial and hegemonic regimes, the protection of minorities and human rights, based on the reading and discussion of classic and modern works.

Note: Expected to be given in 2010–11. History 1964 and 1965 are designed particularly for advanced undergraduates in the international history track of the concentration and graduate students preparing a general examination field in the history of international relations.

***History 1965 (formerly *History 89f). International History: States, Markets, and the Global Economy: Conference Course**

Catalog Number: 7148 Enrollment: Limited to 25.

Niall Ferguson and Charles S. Maier

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

International economic history and political economy, including strategies of economic development, international trade, migration, finance and monetary relations, based on both theoretical works and specific case studies, and focusing on the period from around 1700 to the present.

Note: History 1964 and 1965 are designed particularly for advanced undergraduates in the international history track of the concentration and graduate students preparing a general examination field in the history of international relations.

Cross-listed Courses

***History and Literature 90l. Stories of Slavery and Freedom**

***History and Literature 90t. Legacies of Torture - (New Course)**

Societies of the World 19. Western Ascendancy: The Mainsprings of Global Power from 1600 to the Present - (New Course)

Primarily for Graduates

History 2906. International History: Seminar

Catalog Number: 0453 Enrollment: Limited to 12.

Erez Manela

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This course explores new approaches to the international history of the twentieth century. We probe problems of scope, theme, narrative strategy, research method, and sources, among others.

[History 2911. Theories of International Relations: Seminar]

Catalog Number: 6430

David R. Armitage

Half course (spring term). Hours to be arranged.

An historical introduction to theories of war and peace, sovereignty, diplomacy, colonialism, international law, and international relations since the fifteenth century. Readings include primary and secondary sources.

Note: Expected to be given in 2010–11.



[History 2918. International Human Rights: Seminar]

Catalog Number: 0857

Caroline M. Elkins

Half course (spring term). Hours to be arranged.

This course will analyze the formulation, expansion, and enforcement of international human rights norms. Historical case studies will include the use of torture, war crimes, genocide, refugees, and women's and children's rights.

Note: Expected to be given in 2010–11.

***History 2921. Western Ascendancy: Historiography and Pedagogy (Graduate Seminar in General Education) - (New Course)**

Catalog Number: 89802 Enrollment: Limited to 15.

Niall Ferguson

Half course (fall term). Tu., 2–4.

The purpose of this graduate seminar is to get Teaching Fellows and other graduates to engage with the historiographical and pedagogical challenges of the new General Education course, Societies of the World 19: Western Ascendancy. Courses in Western Civilization are nowadays widely seen as outmoded and excessively Eurocentric. The aim of SW 19 is to address questions of global economic and political divergence in a fresh way, taking advantage of more recent literature on economic history, for example.

Cross-listed Courses

[*American Civilization 200 (formerly *American Civilization 370). Major Works in the History of American Civilization]

Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis

[Economics 2330. History and Human Capital]

Courses in Reading and Research

Methodology

[*History 2965 (formerly *History 2481). The Scope of History: Seminar]

Catalog Number: 4804 Enrollment: Limited to 15.

Mary D. Lewis

Half course (spring term). Hours to be arranged.

Explores the historical method by considering the wide array of "levels" of analysis or foci that historians adopt, from local and national to transnational, comparative and global; considers the relationship between scope and problematic.

Note: Expected to be given in 2010–11.

Prerequisite: Graduate standing or permission of instructor.

[*History 2966 (formerly *History 2616). The Art and Craft of Historical Writing: Seminar]

Catalog Number: 4655



Jill M. Lepore

Half course (spring term). Hours to be arranged.

An intensive writing workshop and research seminar for history graduate students across field groups, divided into two parts, exposition, and narrative. Readings will be limited to essays on historical writing and samples of particularly effective academic prose.

Note: Expected to be given in 2010–11.

[*History 2967 (formerly *History 2912). What is History? Concepts, Practices, Critique: Seminar]

Catalog Number: 4766

Afsaneh Najmabadi and Judith Surkis

Half course (spring term). Hours to be arranged.

Offers a thematically structured critical introduction to key concepts, methods, and problems of historical practice and writing; examining the history of history, philosophies of history, the relationship of history to other disciplines.

Note: Expected to be given in 2010–11.

[*History 2968 (formerly *History 2915). History and Economics: Proseminar]

Catalog Number: 1557

Emma Rothschild

Half course (fall term). Hours to be arranged.

Examines approaches to the history of economic thought and economic history by the exploration of particular topics, including the political economy of empire, information, and globalization.

Note: Expected to be given in 2010–11.

[History 2969 (formerly History 2920). Readings in Gender History: Seminar]

Catalog Number: 0882

Nancy F. Cott

Half course (fall term). Hours to be arranged.

Reading and discussion of works of theory and historiography that use gender analysis to re-view social and political phenomena such as revolution, nationalism, imperialism, citizenship, class formation, the welfare state, and consumerism. Predominantly US history, but including some European and Latin American comparison.

Note: Expected to be given in 2010–11.

History 2970. Gender History: Proseminar - (New Course)

Catalog Number: 24013

Nancy F. Cott and Judith Surkis

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Readings in a wide range of historical works using gender analysis to reconsider such phenomena as citizenship, revolution, imperialism, nationalism, family, sexuality. Comparative U.S. and Europe, with selected readings about other areas.

***History 3900 (formerly *History 3910). Writing History: Approaches and Practices**

Catalog Number: 1358



David R. Armitage 5023 and Rachel St. John 5328

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Required of and limited to first-year doctoral students in History, HMES, and those students in EALC who choose the History specialization.

Prerequisite: First year graduate students only.

Cross-listed Courses

Teaching Practicum

***History 3920hf. Colloquium on Teaching Practices**

Catalog Number: 5222

Lizabeth Cohen 3627

Half course (throughout the year). W., 3:30-5. EXAM GROUP: 8, 9

Required of and open only to all third-year history department graduate students.

Directed Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Emmanuel K. Akyeampong 3421 (on leave 2009-10), David R. Armitage 5023, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackbourn 3203, Ann M. Blair 2467, Peter K. Bol 8014, Sugata Bose 3960 (on leave 2009-10), Vincent Brown 4638, Joyce E. Chaplin 1058, John H. Coatsworth 3248, Lizabeth Cohen 3627, Nancy F. Cott 4261, Albert M. Craig 1847, Robert Darnton 5980, Emma Dench 5243, Caroline M. Elkins 3961, Drew Gilpin Faust 3857, Niall Ferguson 4938, Alison F. Frank 5313, Andrew Gordon 1891, Peter E. Gordon 3907, James Hankins 1239 (on leave spring term), Henrietta Harrison 5161, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Maya Jasanoff 5877, Andrew Jewett 5878 (on leave 2009-10), Walter Johnson 5616, Christopher P. Jones 3204 (on leave 2009-10), Cemal Kafadar 2459, Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Jill M. Lepore 4830, Mary D. Lewis 4369, Charles S. Maier 7227, Erez Manela 4762 (on leave spring term), Terry D. Martin 2966, Michael McCormick 2849, Lisa M. McGirr 2543, Ian J. Miller 5880 (on leave 2009-10), Roy Mottahedeh 1454, Afsaneh Najmabadi 4052 (on leave 2009-10), Kelly A. O'Neill-Uzgiris 5881, E. Roger Owen 1028, Steven Ozment 6197, Serhii Plokhii 4454, Michael J. Puett 1227, Julie A. Reuben (Education School) 4428, Emma Rothschild 5001 (on leave spring term), Daniel L. Smail 5343, David Smith 5904, Rachel St. John 5328, Judith Surkis 4184, Michael A. Szonyi 4842, Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Trygve Van Regenmorter Throntveit 6066, Laurel Thatcher Ulrich 1886, and John Womack, Jr. 1863

***History 3010. Reading and Research**

Catalog Number: 3424

Asad A. Ahmed 5567 (on leave spring term), Emmanuel K. Akyeampong 3421 (on leave 2009-10), David R. Armitage 5023, Bernard Bailyn 1841, Sven Beckert 2415, Mario Biagioli 1756, Thomas N. Bisson 1451, David Blackbourn 3203, Ann M. Blair 2467, Peter K. Bol 8014, Sugata



Bose 3960 (on leave 2009-10), Vincent Brown 4638, Joyce E. Chaplin 1058, John H. Coatsworth 3248, Elizabeth Cohen 3627, Kathleen M. Coleman 2289 (on leave 2009-10), Nancy F. Cott 4261, Robert Darnton 5980, Emma Dench 5243, Charles Donahue, Jr. (Law School) 2650, Carter J. Eckert 1178, Caroline M. Elkins 3961, Mark C. Elliott 3329, Drew Gilpin Faust 3857, Niall Ferguson 4938, Francis Fiorenza (Divinity School) 2735, Alison F. Frank 5313, Ivan Gaskell 3174, Andrew Gordon 1891, Peter E. Gordon 3907, Annette Gordon-Reed 6394, Peter A. Hall 7272 (on leave spring term), James Hankins 1239 (on leave spring term), Henrietta Harrison 5161, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Maya Jasanoff 5877, Andrew Jewett 5878 (on leave 2009-10), Walter Johnson 5616, Christopher P. Jones 3204 (on leave 2009-10), Cemal Kafadar 2459, Samuel D. Kassow 6368 (fall term only), Edward L. Keenan 1825, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128, Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Shigehisa Kuriyama 5269 (spring term only), Jill M. Lepore 4830, Mary D. Lewis 4369, Charles S. Maier 7227, Erez Manela 4762 (on leave spring term), Terry D. Martin 2966, Michael McCormick 2849, Lisa M. McGirr 2543, Ian J. Miller 5880 (on leave 2009-10), Roy Mottahedeh 1454, Afsaneh Najmabadi 4052 (on leave 2009-10), Kelly A. O'Neill-Uzgiris 5881, E. Roger Owen 1028, Steven Ozment 6197, Richard Pipes 1827, Serhii Plokhii 4454, Michael J. Puett 1227, Julie A. Reuben (Education School) 4428, Emma Rothschild 5001 (on leave spring term), Daniel L. Smail 5343, Rachel St. John 5328, Ajantha Subramanian 4618 (spring term only), Judith Surkis 4184, Michael A. Szonyi 4842, Roman Szporluk 3033, Hue-Tam Ho Tai 6079, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, Charlotte M. Walker 6312, and John Womack, Jr. 1863

Half course (fall term; repeated spring term). Fall: Tu., 3–5; F., 1–3; Spring: Th., 2–4; F., 1–3.
 Instructors listed above under History 3010 supervise individual work in preparation for the General Examination for the PhD degree.

Note: Limited to candidates for the PhD who are in residence, who have been for a year in residence, and who are in good standing in the Graduate School. May ordinarily be taken only in preparation for a field (or fields) to be examined on the General Examination. May not be counted toward the AM degree except by permission of the Department.

History and Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Committee on Degrees in History and Literature

Jill M. Lepore, David Woods Kemper '41 Professor of American History (*Chair*)

David R. Armitage, Lloyd C. Blankfein Professor of History

Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature



Steven Biel, Senior Lecturer on History and Literature
Ann M. Blair, Harvard College Professor, Henry Charles Lea Professor of History
Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
Janet Browne, Harvard College Professor, Aramont Professor of the History of Science (*on leave spring term*)
Lawrence Buell, Powell M. Cabot Professor of American Literature
Daniel G. Donoghue, John P. Marquand Professor of English
James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
Jeanne Follansbee Quinn, Lecturer on History and Literature (*Director of Studies*)
Virginie Greene, Harvard College Professor, Professor of Romance Languages and Literatures
Maya Jasanoff, Associate Professor of History
Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
James T. Kloppenberg, Charles Warren Professor of American History
Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English (*on leave spring term*)
Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave fall term*)
Leah Price, Harvard College Professor, Professor of English (*on leave 2009-10*)
Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African and African American Studies (*on leave 2009-10*)
Judith Surkis, Associate Professor of History and of History and Literature
Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology
Joanne van der Woude, Assistant Professor of English and of History and Literature

Other Faculty Offering Instruction in the History and Literature Program

Karen E. Bishop, Lecturer on History and Literature
Nenita Ponce de Leon Elphick, Lecturer on History and Literature
Tamara Griggs, Lecturer on History and Literature
Katrina Maria Hagen, Lecturer on History and Literature
Joshua Humphreys, Lecturer on History and Literature
Sally Livingston, Lecturer on History and Literature
Timothy P. McCarthy, Lecturer on History and Literature
John D. Ondrovicik, Lecturer on History and Literature
Andrew John Romig, Lecturer on History and Literature
Amy L. Spellacy, Lecturer on History and Literature
Katherine Stebbins mcaffrey, Lecturer on History and Literature

Undergraduate Seminars

These seminars exploring the interdisciplinary study of History and Literature are restricted to undergraduates and have enrollments limited to 15. There are no prerequisites, and non-concentrators are welcome. Preference is given to History and Literature concentrators if space is limited.



***History and Literature 90a. "The Golden State" as North, East, and West**

Catalog Number: 4863 Enrollment: Limited to 15.

Steven Biel

Half course (spring term). M., 1–3.

The history and literature of California from the Mexican War through World War II. Course will focus on texts by and about migrants to the state and will explore such events as the Gold Rush, immigration restriction, the diversion of water for the development of Los Angeles, the consolidation of corporate agriculture, the construction of Hollywood and the film industry, the growth of the defense industry, Japanese internment, and the Zoot Suit Riot.

***History and Literature 90aa. Possessions and Belongings: The Consumer Revolution in 18th-Century America - (New Course)**

Catalog Number: 32128 Enrollment: Limited to 15.

Katherine Stebbins mcaffrey

Half course (spring term). Tu., 1–3.

Explores the rise of consumer culture in the eighteenth-century American colonies, along with its social, cultural, political, economic, and aesthetic consequences. Introduces students to the range of goods circulating in the Atlantic World through the work of historians, museums, and archives. Analyzes the ways in which colonists and indigenous peoples imagined things and negotiated exchange, both in daily interactions and through transatlantic literature. Assesses the expectations and complications surrounding consumption in the newly United States.

***History and Literature 90ac. The British & American Revolutions - (New Course)**

Catalog Number: 98757 Enrollment: Limited to 15.

Joanne van der Woude

Half course (fall term). M., 1–3.

This course compares the British Civil War (1642-1651) and the American Revolution (1775-1783) in an Atlantic context. Looking at patterns of flight, resistance, revolt, and sentiment, we will place these two moments in larger structures of class and cultural conflict by reading diaries, songs, pamphlets, and pictures. Authors include Winthrop, Milton, Marvell, and Mary Wollstonecraft. Fieldtrips to the Boston State House and the MFA will also foster discussions of revolutionary music and visual culture.

***History and Literature 90ad. Anatomies of Melancholia: Loss, Gender and Ethnicity in Early Modern Literature - (New Course)**

Catalog Number: 84724 Enrollment: Limited to 15.

Christina Wald

Half course (spring term). Th., 3–5.

This interdisciplinary seminar explores the complex relationship between mourning, melancholia and the formation of identity, in particular with regard to sex and gender, sexuality, and ethnicity. After briefly taking stock of the medical and cultural histories of the ‘chameleon’ melancholia, we will bring together eminent texts from the corpus of melancholia studies (including Burton, Freud, Judith Butler, Anne Anlin Cheng) and early modern literature (including *Hamlet*, *Twelfth Night* and *Othello*, Sidney’s *Arcadia*).



***History and Literature 90e. Imperial Intimacies: Bodies and Cultures, 1800-present**

Catalog Number: 3818 Enrollment: Limited to 15.

Judith Surkis

Half course (fall term). W., 2–4.

Explores the place of "intimate matters" -- families, bodies, and sexualities -- in the history and literature of empires. How were these zones implicated in colonial encounters and government, domination and resistance, travel and consumption, the development of feminism, nationalism, and decolonization? How do they inform understandings of the colonial and postcolonial today? Focus will be on comparative European empires.

***History and Literature 90i. American Road Narratives**

Catalog Number: 9056 Enrollment: Limited to 15.

Amy L. Spellacy

Half course (fall term). Th., 3–5.

Explores the significance of the road narrative in twentieth-century American literature and film, focusing on how stories of travel have functioned as a forum for examining larger social and cultural issues. Course will consider the possibilities and promises represented by travel in these stories, and will also interrogate how race, class, and gender affect the experience of being on the road. Authors include Zora Neale Hurston, John Steinbeck, Vladimir Nabokov, Jack Kerouac, and Cormac McCarthy.

***History and Literature 90j. The Paradoxes of Progress**

Catalog Number: 1605 Enrollment: Limited to 15.

Joshua Humphreys

Half course (spring term). Tu., 2–4.

This seminar explores the idea of Progress, and its accompanying problems and paradoxes, in European history and literature since the Enlightenment. Our approach will be comparative, concentrating on materials drawn primarily from France, Britain, and Germany, ranging from novels, poetry and plays by Shelley, Tennyson, Hugo, Mann, and Camus to political and philosophical writing and social and cultural criticism (Kant, Condorcet, Comte, Fourier, Freud, and the Frankfurt School) to 20th c. music (Webern, Schönberg, Górecki).

***History and Literature 90l. Stories of Slavery and Freedom**

Catalog Number: 5335 Enrollment: Limited to 15.

Timothy P. McCarthy

Half course (fall term). W., 3–5.

In the last generation, scholars have revolutionized our understanding of slavery and freedom in the modern Atlantic world. This sea-change has been the result of a major methodological shift: to view this history through the eyes of slaves rather than the eyes of masters. This course will examine the history of the "black Atlantic" through a diverse range of cultural texts--poetry, pamphlets, court cases, petitions, autobiographies, novels, speeches, and sermons--produced by slaves, free blacks, and abolitionists from the Age of Revolution to emancipation.

***History and Literature 90q. Performing America - (New Course)**

Catalog Number: 23222 Enrollment: Limited to 15.

Robin M. Bernstein



Half course (fall term). Tu., Th., at 3.

An investigation of the role of theatre and other forms of performance in the United States from the Revolution through the early twentieth century. Topics include plays staged by eighteenth-century Harvard students, melodrama, blackface minstrelsy, abolitionist lectures, P.T. Barnum, freak shows, world fairs, museum displays, "leg shows," and New Negro theatre. This hands-on course teaches deep skills in archival research. In a typical week, we will meet once in the classroom to discuss course readings and once in an archive (the Harvard Theatre Collection, Schlesinger Library, or Peabody Museum) to work directly with primary materials.

***History and Literature 90s. Cloak and Swagger: Fashioning the Body in Early Modern Europe and the New World - (New Course)**

Catalog Number: 38329 Enrollment: Limited to 15.

Nenita Ponce de Leon Elphick

Half course (fall term). Tu., 2-4.

Using visual, historical, and literary sources, this course explores how clothing functioned in the construction of social status, gender, and race in early modern Europe and the New World. It will examine Judeo-Christian beliefs about clothing; how the elite manipulated clothing to increase their power and prestige; the importance of textiles, dyestuffs, and fur in New World exploration and trade; and how the cloth industry became a crucial site of revolt during eighteenth-century Independence movements.

***History and Literature 90t. Legacies of Torture - (New Course)**

Catalog Number: 89851 Enrollment: Limited to 15.

Karen E. Bishop

Half course (spring term). W., 2-4.

This interdisciplinary seminar examines literary, historical, and theoretical texts that make up a corpus of international torture studies. Readings and discussion will consider the ways that torture is -- and often is not -- documented historically, as well as the ethical and aesthetic responsibilities and challenges of representing torture in literature, memoir, and film. Specific moments of analysis include WWII, the Trujillo and Marcos regimes, Chilean and Argentine Dirty Wars, Iranian Revolution, and the on-going Iraq War.

***History and Literature 90u. Culture in Depression-Era America - (New Course)**

Catalog Number: 77449 Enrollment: Limited to 15.

Jeanne Follansbee Quinn

Half course (fall term). W., 1-3.

Examines the history and literature of the Depression-era United States. The course will examine a wide-range of cultural forms--documentary books, photography, fiction, film, radio, history, drama, anthropology, criticism--in order to explore how writers and critics represented the socio-economic crisis and envisioned social change.

***History and Literature 90v. Ancients and Moderns - (New Course)**

Catalog Number: 62342 Enrollment: Limited to 15.

Tamara Griggs

Half course (fall term). Tu., 1-3.

Between 1400 and 1800, Europeans discovered, imitated, and challenged the cultural and



intellectual legacy of Greco-Roman antiquity. In this course, we will examine the complex and ever-changing relationship between "ancients" and "moderns" in early modern European history. Readings will include Tacitus, Petrarch, Machiavelli, Montaigne, Francis Bacon, Descartes, and Jonathan Swift. Course work includes three short writings assignments and a final research paper.

***History and Literature 90w. Europe and Africa: Colonial and Postcolonial Encounters - (New Course)**

Catalog Number: 53436 Enrollment: Limited to 15.

Katrina Maria Hagen

Half course (spring term). W., 1–3.

This interdisciplinary seminar explores European colonialism in Africa in historical and literary perspective. The course asks how colonial/postcolonial encounters have shaped European and African societies and selves from the 19th century to the present. Topics include: racial science and imperialist ideology; colonial violence and resistance; gender and sexuality; economic and cultural consumption; decolonization; and travel and migration between Africa and Europe. Students participate in discussion, write short papers, and complete a research project and presentation.

***History and Literature 90x. Medieval Margins - (New Course)**

Catalog Number: 68543 Enrollment: Limited to 15.

Sally Livingston

Half course (fall term). Tu., 2–4.

Michael Camille, in *Image on the Edge: The Margins of Medieval Art*, describes the ability of the sometimes outrageous drawings bordering medieval manuscripts "to gloss, parody, modernize, and problematize the text's authority while never totally undermining it." This course examines historical and literary depictions of groups that existed on the margins of medieval society. What kind of power did they have? What functions did they play in both challenging cultural norms and maintaining societal values?

***History and Literature 90y. London - Paris - Berlin - St. Petersburg: Capital Cities in Europe's Long Nineteenth Century - (New Course)**

Catalog Number: 17021 Enrollment: Limited to 15.

John D. Ondrovic

Half course (fall term). W., 2–4.

Moving chronologically from Paris in 1789 to St. Petersburg in 1917, this course examines the urban experience during Europe's long nineteenth century. Students will address the problems of nationalism, industrialization, sexuality, crime, and war through novels, poetry, memoirs, travel writing, political tracts, contemporary scholarly texts, and excellent secondary works. Class discussion will explore--and question--representations of these cities as emblems of particular periods of European history, primarily through direct comparison with other cities in other periods.

***History and Literature 90z. Theory of History and Literature - (New Course)**

Catalog Number: 47235 Enrollment: Limited to 15.

Andrew John Romig



Half course (fall term). M., 1–3.

What are the key theoretical underpinnings of historical and literary studies today? How should we see literary and historical interpretations as parallel endeavors? What role does interdisciplinary humanistic study play in the modern world? This class explores these questions through the lens of key texts by major critics and thinkers of the past century. Readings will include Spingarn, Bloch, Said, Barthes, Braudel, Derrida, Foucault, Greenblatt, Bhabha, and more. No previous coursework required. Open to non-concentrators.

Tutorials, for Undergraduates Only

***History and Literature 91r. Supervised Reading and Research**

Catalog Number: 0334

Jeanne Follansbee Quinn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: History and Literature concentrators may arrange individually supervised reading and research courses; the permission of the Director of Studies is required for these courses.

***History and Literature 97. Tutorial — Sophomore Year**

Catalog Number: 1148

Jeanne Follansbee Quinn and members of the Committee.

Half course (spring term). Hours to be arranged.

Introduction to interdisciplinary methods and to topics in students' chosen fields. Required of all concentrators. Open only to concentrators.

***History and Literature 98r. Tutorial — Junior Year**

Catalog Number: 2766

Jeanne Follansbee Quinn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

An individually supervised study of selected topics in the student's chosen field in History and Literature.

Note: Ordinarily taken as two half courses by juniors. Required of all concentrators.

***History and Literature 99. Tutorial — Senior Year**

Catalog Number: 5362

Jeanne Follansbee Quinn and members of the Committee

Full course. Hours to be arranged.

Research and writing of the senior thesis; preparation for the oral exam.

Note: Ordinarily taken by seniors as a full course. Required of all concentrators.

Cross-listed Courses

***History 81a (formerly *History 1309). History in Early Modern Europe**

***History 84l (formerly History 1666). The World of William James and Henry James**

A list of the courses in other departments that count for History and Literature is available in our office at the Barker Center and at www.fas.harvard.edu/~histlit.



History of American Civilization

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in the History of American Civilization

John Stauffer, Professor of English and of African and African American Studies (*Chair*)
David R. Armitage, Lloyd C. Blankfein Professor of History
Sven Beckert, Laird Bell Professor of History
Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature
Steven Biel, Senior Lecturer on History and Literature
Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)
Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology
Lawrence Buell, Powell M. Cabot Professor of American Literature
Stephen Louis Burt, Associate Professor of English , Professor of English
Daniel P. Carpenter, Allie S. Freed Professor of Government
Glenda R. Carpio, Professor of English and of African and African American Studies
Joyce E. Chaplin, James Duncan Phillips Professor of Early American History
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies
Nancy F. Cott, Jonathan Trumbull Professor of American History
Christine Desan, Professor of Law (*Law School*)
Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor
Claudia Goldin, Henry Lee Professor of Economics (*on leave spring term*)
R. Marie Griffith, John A. Bartlett Professor of New England Church History (*Divinity School*)
David Neil Hempton, Alonzo L. McDonald Family Professor of Evangelical Theological Studies (*Divinity School*)
Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies
Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
Andrew Jewett, Assistant Professor of History and of Social Studies (*on leave 2009-10*)
Walter Johnson, Winthrop Professor of History and Professor of African and African American Studies
Robin E. Kelsey, Shirley Carter Burden Professor of Photography
Randall L. Kennedy, Michael R. Klein Professor of Law (*Law School*)
Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
James T. Kloppenberg, Charles Warren Professor of American History
Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies



Jill M. Lepore, David Woods Kemper '41 Professor of American History
 Lisa M. McGirr, Professor of History
 Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave fall term*)
 Charles J. Ogletree, Jesse Climenko Professor of Law (*Law School*)
 Carol J. Oja, William Powell Mason Professor of Music
 Julie A. Reuben, Professor of Education (*Education School*)
 Jennifer L. Roberts, Professor of History of Art and Architecture
 Leigh E. Schmidt, Charles Warren Professor of the History of Religion in America (*Divinity School*)
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies
 Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African and African American Studies (*on leave 2009-10*)
 Rachel St. John, Associate Professor of History
 Jason W. Stevens, Assistant Professor of English
 Laurel Thatcher Ulrich, 300th Anniversary University Professor
 Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
 Joanne van der Woude, Assistant Professor of English and of History and Literature

This program is interdisciplinary. Students are also referred to course offerings at the Design School, Harvard Graduate School of Education, Kennedy School, and Law School. For further information about the variety of course offerings in specific departments, consult the office of the Committee, Barker Center 225, 12 Quincy Street.

Primarily for Graduates

[*American Civilization 200 (formerly *American Civilization 370). Major Works in the History of American Civilization]

Catalog Number: 3662

John Stauffer

Half course (fall term). M., 3–5.

A survey of the field, with an emphasis on the range of interdisciplinary methods in the humanities, history, and social sciences.

Note: Expected to be given in 2010–11. Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.

***American Civilization 201 (formerly *American Civilization 371). Themes in the History of American Civilization**

Catalog Number: 6797

Lizabeth Cohen

Half course (fall term). Tu., 2–4.

Interdisciplinary study of one or several topics.

Note: Required of first and second-year graduate students in American Civilization and open to others by permission of the instructor.



Graduate Courses

***American Civilization 398. Reading and Research**

Catalog Number: 1710

Sven Beckert 2415, Robin M. Bernstein 5411, Ann M. Blair 2467, Allan M. Brandt 3031, Vincent Brown 4638, Lawrence Buell 2655, Joyce E. Chaplin 1058, Elizabeth Cohen 3627, Nancy F. Cott 4261, Margaret Lee Crawford (Design School) 3934, Bradley S. Epps 2880, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Peter L. Galison 3239 (on leave 2009-10), Henry Louis Gates, Jr. 2899, Claudia Goldin 2667 (on leave spring term), David D. Hall (Divinity School) 2510, Janet E. Halley (Law School) 4431, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Walter Johnson 5616, Geoffrey Jones (Business School) 5105, Despina Kakoudaki 3979, Robin E. Kelsey 4132, Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157, Jill M. Lepore 4830, Erez Manela 4762 (on leave spring term), Thomas K. McCraw (Business School) 7371, Louis Menand 4752 (on leave fall term), Ingrid Monson 1591 (on leave 2009-10), Elisa New 2428, Susan E. O'Donovan 3962, Carol J. Oja 4599, Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407, Werner Sollors 7424, Rachel St. John 5328, John Stauffer 1006, Maria Tatar 3645, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, Helen Vendler 7226, Adelheid Voskuhl 5569, and Joanne van der Woude 6069

***American Civilization 399. Direction of Doctoral Dissertation**

Catalog Number: 8803

Sven Beckert 2415, Allan M. Brandt 3031, Lawrence Buell 2655, David L. Carrasco 4213, Joyce E. Chaplin 1058, Elizabeth Cohen 3627, Nancy F. Cott 4261, Philip J. Fisher 1470, William W. Fisher (Law School) 4257, Donald Fleming 1831, Peter L. Galison 3239 (on leave 2009-10), Henry Louis Gates, Jr. 2899, David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Walter Johnson 5616, Geoffrey Jones (Business School) 5105, Despina Kakoudaki 3979, Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157, Jill M. Lepore 4830, Erez Manela 4762 (on leave spring term), Thomas K. McCraw (Business School) 7371, Carol J. Oja 4599, Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407, Charles E. Rosenberg 3784 (on leave fall term), Marc Shell 3176, Werner Sollors 7424, John Stauffer 1006, John R. Stilgoe 8032, Stephan Thernstrom 4141, Laurel Thatcher Ulrich 1886, Adelheid Voskuhl 5569, and Ruth R. Wisse 3177

Cross-listed Courses

[Aesthetic and Interpretive Understanding 13 (formerly Spanish 180). Cultural Agents]
[African and African American Studies 131. African-American Literature to the 1920s](#)
[African and African American Studies 133. Richard Wright and Zora Neale Hurston - \(New Course\)](#)

***African and African American Studies 301. Graduate Proseminar**

[Comparative Literature 248. American Multilingual Literature in a Transnational Context - \(New Course\)](#)

[Economics 1356. Economics of Work and Family - \(New Course\)](#)

[*English 273. Permutations of Literary Regionalism: Graduate Seminar - \(New Course\)](#)



***Government 2305. American Government and Politics: Field Seminar**

[Historical Study A-84. American Constitutional History from the Framing to the Present]

Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century

***History 74c. Bodily Functions: Histories of Bare Life and Bio-Power**

***History 74e. North American Borderlands History**

***History 74f. U.S. Environmental History**

***History 84b. The American Revolution**

[*History 84c (formerly *History 1610). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America]

***History 84l (formerly History 1666). The World of William James and Henry James**

History 1330 (formerly History 1661). Social Thought in Modern America

History 1457. History of American Capitalism - (New Course)

***History 2340 (formerly *History 2662 & *History 2662hf). Readings in American Thought**

History 2400 (formerly History 2600). Readings in Colonial and Revolutionary America: Proseminar

[History 2402. American Food: Seminar]

History 2403. Harvard Collections in World History (Graduate Seminar in General Education) - (New Course)

History 2405. Politics, Social Life, and Law in Jeffersonian America: Seminar - (New Course)

History 2442 (formerly History 2602). Readings in the History of the US in the 19th Century: Proseminar

[*History 2461 (formerly *History 2601). The US in the 20th Century: Seminar]

[History 2462 (formerly History 2607). Readings in the US in the 20th Century: Proseminar]

History 2463 (formerly History 2661). Graduate Readings in 20th-Century African-American History: Seminar

***History 2470hf (formerly *History 2640hf). Workshop in 20th-Century US History**

History 2480hf (formerly History 2650hf). The Political Economy of Modern Capitalism: Seminar

[*History 2966 (formerly *History 2616). The Art and Craft of Historical Writing: Seminar]

[History 2969 (formerly History 2920). Readings in Gender History: Seminar]

***History and Literature 90q. Performing America - (New Course)**

History of Art and Architecture 172w. American Art and Modernity, 1865–1965

History of Art and Architecture 175k. American and European Art, 1945–1975

History of Art and Architecture 175w. Pop Art

History of Art and Architecture 197g. Colonial Art

[*History of Art and Architecture 277s. Circa 1970]

[Music 194rs. Special Topics: Proseminar]

Music 218r. 20th-Century Music: Seminar

[*Religion 2501. The Religious History of American Women: Seminar]

Religion 2550. Women and Religion in Contemporary America: Seminar

[Social Analysis 66. Race, Ethnicity, and Politics in the United States]

[Spanish 243. Foundational Fiction and Film]



[United States in the World 12 (formerly History of Art and Architecture 17y). American Encounters: Art, Contact, and Conflict, 1560-1860]

History of Art and Architecture

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History of Art and Architecture

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art (*Chair*)

Ruth Bielfeldt, Assistant Professor of History of Art and Architecture (*on leave 2009-10*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies (*on leave 2009-10*)

Benjamin Buchloh, Andrew W. Mellon Professor of Modern Art (*on leave fall term*)

Joseph Connors, Professor of History of Art and Architecture

Frank Fehrenbach, Professor of History of Art and Architecture

Maria Elizabeth Gough, Joseph Pulitzer, Jr. Professor of Modern Art

Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*on leave 2009-10*)

Robin E. Kelsey, Shirley Carter Burden Professor of Photography (*Director of Graduate Studies*)

Narayan Khandekar, Lecturer on History of Art and Architecture

Joseph Koerner, Victor S. Thomas Professor of History of Art and Architecture (*on leave 2009-10*)

Ewa Lajer-Burcharth, William Dorr Boardman Professor of Fine Arts (*on leave 2009-10*)

Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies

Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture

Yukio Lippit, Harris K. Weston Associate Professor of the Humanities

David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave fall term*)

Serafín Moralejo, Fernando Zobel de Ayala Professor of Fine Arts

Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art

Alina A. Payne, Professor of History of Art and Architecture

Jennifer L. Roberts, Professor of History of Art and Architecture (*Director of Undergraduate Studies*)

David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History (*on leave 2009-10*)

Hugo van der Velden, Professor of History of Art and Architecture (*Director of Graduate Studies*) (*on leave 2009-10*)

Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art



Stephan S. Wolohojian, Lecturer on History of Art and Architecture
Henri Zerner, Professor of History of Art and Architecture

Other Faculty Offering Instruction in the History of Art and Architecture

Ryuichi Abe, Reischauer Institute Professor of Japanese Religions
Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies
Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emeritus

Courses in the History of Art and Architecture undergraduate curriculum are structured as a three-tier system, consisting of a sequence of introductory courses, upper-level courses and departmental tutorials. Passage through the sequence from entry level to more advanced classes is encouraged—particularly for prospective concentrators.

History of Art and Architecture (HAA) 1, HAA 10, HAA 11 are general, conceptual introductions to World Art from pre-history to the present, History of Later Western Art, and History of World Architecture, respectively, each of which would serve as a point of entry into the courses and concentration of History of Art and Architecture.

History of Art and Architecture 12–89 constitute field-specific introductions to the major subfields of art history and their associated methodologies. These introductory courses are intended both for students in the concentration and for non-concentrators with an interest in a particular subject within History of Art and Architecture.

History of Art and Architecture 100–199, upper-level courses, tend to focus upon a particular problem or set of materials within a subfield.

Primarily for Undergraduates

History of Art and Architecture 1. Landmarks of World Art & Architecture

Catalog Number: 3951

Neil Levine and members of the Department

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Examines major works of world art and architecture and the unique aesthetic, cultural, and historical issues that frame them. Members of the faculty will each lecture on an outstanding example in their area of expertise, covering various media and drawing from such diverse cultures as modern Europe and United States, early modern Japan, Renaissance Europe, ancient Mesopotamia and China, and Precolumbian America. Sections will focus on significant issues in the analysis and interpretation of art and architecture.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.



History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance

Catalog Number: 4988

Henri Zerner

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Concentrating on painting but with reference to other media, we examine art between the beginning of Modern Times around 1400 until the present. It is team taught and organized around specific topics each occupying one week. It is organized chronologically but does not attempt to be a comprehensive survey, but rather to highlight important issues, debates, innovations, specific works or artists.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[History of Art and Architecture 12m. Monuments and Cities of the Islamic World: An Introduction]

Catalog Number: 0678

David J. Roxburgh

Half course (spring term). Hours to be arranged.

An introduction to key monuments and cities-Baghdad, Cairo, Cordoba, Isfahan, Istanbul, Samarqand-from the historical Islamic lands, ca. 650-1650 C.E., from Spain to India. Various building types are treated-e.g., mosques, palaces, schools, tombs, and shrines-as well as the factors that shaped them, whether artistic, cultural, socio-religious, political, or economic. Different methods of studying architecture are introduced in the course of the lectures.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[History of Art and Architecture 18k. Introduction to Japanese Art]

Catalog Number: 7525

Melissa M. McCormick

Half course (spring term). Hours to be arranged.

Surveys the arts of Japan from the prehistoric period to the nineteenth century. The primary focus will be on Japanese painting, sculpture, and architecture, although calligraphy, garden design, ceramics, and prints will also be explored. Essential themes include the relationship between artistic production and Japanese sociopolitical development, Sino-Japanese cultural exchange, and the impact of religion, region, gender, and class on Japanese artistic practice.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 51p. Renaissance Architecture and the Rise of Classicism

Catalog Number: 6427

Alina A. Payne

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Charts the rise and dissemination of classicism in Renaissance Europe. Lectures focus on the development of the style, its origin in the fascination with antiquity, its response to shifts in social and political life, its mechanisms of transmission (travel, book and print culture) as well as



phenomena of exchange (with the East), colonial export, and resistance to this pan-European trend.

[History of Art and Architecture 55k. Northern Renaissance]

Catalog Number: 0473

Joseph Koerner

Half course (spring term). Hours to be arranged.

Explores the revolutionary achievements of Netherlandish, French, and German artists, 1400-1600, with consideration of related developments in Italy. Figures include, van Eyck, Bosch, Durer, and Bruegel.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

Catalog Number: 4593

Ewa Lajer-Burcharth

Half course (fall term). Hours to be arranged.

What is modernity, and what is the place of visual representation within modern culture? What conceptions of individuality, originality, and desire are at work in the idea of “the artist” in the modern period? Traversing different styles—Rococo, Neo-classicism, Impressionism, Abstraction—we discuss a range of modern media, from painting, sculpture, prints, and photography to video, installation, and performance art.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

Jennifer L. Roberts and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Limited to juniors and seniors. Students wishing to enroll must petition the Head Tutor for approval, stating the proposed project, and must have the permission of the proposed instructor.

***History of Art and Architecture 97r. Sophomore Tutorial**

Catalog Number: 0935

Jennifer L. Roberts and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98ar. Advanced Tutorial**

Catalog Number: 1328

Jennifer L. Roberts and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***History of Art and Architecture 98br. Advanced Tutorial**

Catalog Number: 3507



Jennifer L. Roberts and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.
Note: Required of concentrators.

***History of Art and Architecture 99. Tutorial - Senior Year**

Catalog Number: 3118

Carrie Lambert-Beatty, and members of the Department

Full course. Fall: M., 3-5; Spring: Hours to be arranged. . EXAM GROUP: 8, 9

Note: Intended for honors candidates in History of Art and Architecture. Permission of the Head Tutor required.

For Undergraduates and Graduates

***History of Art and Architecture 100r. Sophomore Excursion Course**

Catalog Number: 9414 Enrollment: Limited to 17. Open only to sophomore concentrators in HAA.

Yukio Lippit and Eugene Wang

Half course (spring term). M., 3-5. EXAM GROUP: 8, 9

Major study trip with preparatory seminar, exploring the history, art, and architecture of a given region, (destination: Japan in 2010), with emphasis on long-term change and global interaction.

Note: Excursion is optional; not a requirement.

[History of Art and Architecture 120n. Art of the Timurids in Greater Iran and Central Asia]

Catalog Number: 9252 Enrollment: Limited to 15.

David J. Roxburgh

Half course (fall term). Hours to be arranged.

Critical examination of the arts of the book, portable arts, and architecture sponsored by the Timurids (1370-1507), a dynasty founded by Timur (Tamerlane). Emphasis will also be given to primary written sources in translation.

Note: Expected to be given in 2010-11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 121k. Islamic Ornament and the Aesthetics of Abstraction - (New Course)

Catalog Number: 87224 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (spring term). W., 3-5. EXAM GROUP: 8, 9

In conjunction with a Harvard conference on "Ornament" in fall 2010, critically explores interpretations of Islamic ornament. Themes include orientalism and ornamentalism, discourses on the "arabesque," resonances of non-figural abstraction with modernism and postmodern aesthetics.

[*History of Art and Architecture 125e. Orientalist Legacies: Paradigmatic Discourses in the Field of Islamic Art]

Catalog Number: 4599 Enrollment: Limited to 12.



Gülru Necipoglu-Kafadar

Half course (spring term). Hours to be arranged.

A critical examination of Orientalist discourses that shaped the construction of Islamic art as a field at the turn of the 20th century and their persistent echoes in current scholarship and exhibitions. Readings focus on late 19th - century historiography, modernist readings of abstract ornament and painting, and such topics as the essential "character" of Islamic art," "alterity of the arabesque," iconoclasm, the so-called Islamic city, the garden as paradise, collecting and exhibiting Islamic objects.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 131g. Pergamon: A Hellenistic Royal Residence and its Roman Afterlife]

Catalog Number: 8305

Ruth Bielfeldt

Half course (fall term). Hours to be arranged.

The marvelously preserved city of Pergamon is still the best example to study monarchic town planning in the Hellenistic world. The exertion of monarchic power on the urban texture of the newborn capital of the Pergamene kingdom: this explicitly political perspective will help us understand the extant archaeological remains, the urban layout, the hierarchically organized public space, the sanctuaries with their famous war memorials as well as the spaces of private life.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 139j. Narrating Life and Death: Myths on Roman Sarcophagi]

Catalog Number: 1094 Enrollment: Limited to 15.

Ruth Bielfeldt

Half course (spring term). Hours to be arranged.

In Imperial Rome Greek Myths enter a new sphere: tombs. But the mythological narratives decorating the monumental relief sarcophagi are more than a simple traditionalist repeating of old stories: their visual language becomes a medium for expressing core experiences in life and death. Examines Roman sarcophagus imagery and interpret it in a contextual perspective, focusing on specific funerary contexts as well as the broader understanding of how death was conceptualized in Roman culture.

Note: Expected to be given in 2010–11. Open to qualified undergraduates and graduates.

[History of Art and Architecture 139x. Art and Life in Pompeii - Proseminar]

Catalog Number: 5600 Enrollment: Limited to 15.

Ruth Bielfeldt

Half course (fall term). F., 1-3.

Pompeii is more than the victim city of 79 A.D. The Seminar course focuses on the different cultural stages of Hellenistic and Roman Pompeii (600 BC-79 AD). We will study the most important spaces of public and domestic life- the Forum, the main sanctuaries, the necropoleis, the town houses - in a diachronic perspective and interpret them as indicators of changing cultural, political and social affiliation.

Note: Expected to be given in 2010–11.



[*History of Art and Architecture 140r. Family and Daily Life in Byzantium]

Catalog Number: 3681 Enrollment: Limited to 15.

Ioli Kalavrezou

Half course (spring term). Hours to be arranged.

The course will focus on domestic life and environment in everyday Byzantine society. Course topics will examine the private as well as public life of the individual from childhood to adult life, through artifacts from the household, as well as education, work, and other social contexts.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 141k. Rome, Constantinople, Ravenna in the Light of Imperial Rule]

Catalog Number: 0268 Enrollment: Limited to 15.

Ioli Kalavrezou

Half course (fall term). Hours to be arranged.

Will focus on the imperial art and architecture in these cities, from Constantine to Justinian.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 143r (formerly *History of Art and Architecture 143m). The Art of the Court of Constantinople]

Catalog Number: 4412

Ioli Kalavrezou

Half course (fall term). Hours to be arranged.

Concentrates on art and architecture created for the court of Constantinople from the 9th to the 12th century. Focuses on objects and monuments, exploring their role in political, religious, and personal events.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 146x. The Art of Devotion**

Catalog Number: 4493 Enrollment: Limited to 15.

Jeffrey F. Hamburger

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Novel forms of devotional art & practice 1200-1500; monastic and lay, male and female, "high" and "low" piety. Close reading of religious literature, in translation; visits to local collections. No prior knowledge of medieval art required.

[*History of Art and Architecture 149g. Casts, Construction and Commemoration: German Gothic in America and Abroad]

Catalog Number: 9633 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (spring term). Hours to be arranged.

German monumental sculpture from the 11th through 13th centuries in its broader European context using the cast collection in Adolphus Busch Hall.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 151k. Italian Artists as Competitors, ca. 1300-1700]

Catalog Number: 3100 Enrollment: Limited to 15.



Frank Fehrenbach

Half course (spring term). Hours to be arranged.

Artistic competitions, sometimes accompanied by deadly hostility among artists, played a central role in early modern Italy. Examples include the famous competitions between Ghiberti and Brunelleschi; Leonardo and Michelangelo; Cellini and Bandinelli; Bernini and Borromini.

Note: Expected to be given in 2010–11.

History of Art and Architecture 152. Italian Renaissance Art

Catalog Number: 9947

Frank Fehrenbach

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This course focuses on major concepts, works, and the contexts of Italian painting and sculpture between roughly 1300 and 1600. The course provides a framework of main artistic developments on the peninsula, and concentrates on key notions like classicism, art and science, style, competition of the arts, uniqueness and reproduction, portraiture, and mannerism.

Note: This course, when taken for a letter grade, meets the Core requirement for Literature and Arts B.

[History of Art and Architecture 152m. Leonardo da Vinci]

Catalog Number: 3017

Frank Fehrenbach

Half course (fall term). Hours to be arranged.

This course focuses on the main topics and developments in Leonardo's art, science, and technology, contextualizing him in the artistic, cultural and political realities of Renaissance Italy around 1500, but also in the history of appropriations from Vasari to Dan Brown. The inseparableness of art and science, but also the internal tensions of this relationship, make Leonardo's work particularly relevant for major trends in contemporary culture.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 153p. Le Corbusier and the Invention of Modernism]

Catalog Number: 4383 Enrollment: Limited to 18.

Alina A. Payne

Half course (fall term). Hours to be arranged.

Investigates the architecture, painting, and texts of Le Corbusier against the background of competing claims for the invention of modernism in architecture.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting]

Catalog Number: 4715

Hugo van der Velden

Half course (fall term). Hours to be arranged.

This course will examine the work of Jan van Eyck and his contribution to the rise of Netherlandish painting in the fifteenth century. Special attention will be paid to the role of oil painting in comparison to other artistic media, such as goldsmith's work, enamel, embroidery, tapestry; art theory and the awareness of tradition; self-reference and reflectivity in works of art;



multiple audiences and layers of meaning; use and function; music and the visual arts.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 159. Image and Text in 16th Century France

Catalog Number: 5699 Enrollment: Limited to 15.

Henri Zerner and Tom Conley

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Will examine the relation between visual and textual expression during the Renaissance in France, with emphasis on emblem books, and their impact on other genres.

[*History of Art and Architecture 170g. The Grid]

Catalog Number: 9803 Enrollment: Limited to 10.

Neil Levine

Half course (spring term). Hours to be arranged.

Examines one of the most fascinating and contested devices underlying the design of buildings, cities, and works of art in general. Important since antiquity, the grid has become, in the modern era, a characteristic and prevalent way to organize space and form. Examples to be studied will range from the Spanish Law of the Indies and the Jeffersonian Land Survey to the use of the grid by Wright, Le Corbusier, Mies, LeWitt, Eisenman, and others.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 170r. Topics in 19th c. Art : Ingres]

Catalog Number: 8207 Enrollment: Limited to 15.

Henri Zerner

Half course (spring term). Th., 1–3.

Note: Expected to be given in 2010–11.

History of Art and Architecture 170w. Before the Crash: The City in the 1920's - (New Course)

Catalog Number: 26796 Enrollment: Limited to 12.

Neil Levine

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Examines the architecture and urbanism of the United States and Europe during the Roaring Twenties, or "crazy years," between the end of World War I and the onset of the Great Depression, when the modern city came under pressures for development unlike any before. Subjects to be investigated include the dominance and often extravagance of the skyscraper, impact of the automobile, problem of congestion, concept of regionalism, and growth of the suburb and sprawl.

[*History of Art and Architecture 171x. Exoticism & Orientalism]

Catalog Number: 7006 Enrollment: Limited to 15.

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

Explores cultural and artistic engagement with the trope of the "other" in 18th and 19th century France. Different interpretive paradigms will be considered. Distinction between pre- and post-



Napoleonic modes of curiosity emphasized. Artists will include: Watteau, Boucher, Liotard, Van Loo, Delacroix, Chasseriau, Gérôme, Renoir.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 172k. Photography and Labor in the 19th Century**

Catalog Number: 2099 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

A consideration of the relationship between photography and labor from the Daguerreotype and Calotype to the first Kodak cameras. We will discuss issues of skill, art, social class, gender, industrialization, magic, and representation.

History of Art and Architecture 172w. American Art and Modernity, 1865–1965

Catalog Number: 2227

Jennifer L. Roberts

Half course (fall term). Tu., Th., at 11; F., at 10. EXAM GROUP: 13

An introduction to developments in American art between the Civil War and the Cold War. Thematically focused lectures concentrate on such issues as the shifting status of the art object within an environment of proliferating consumer products, the incorporation of scientific and industrial processes into artistic practice, the continually renegotiated relationship between nationalism and abstraction, and new methods of understanding history and subjectivity in the face of urbanization, mechanized reproduction, and the mass media.

Note: This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[*History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

Catalog Number: 7251 Enrollment: Limited to 15.

Ewa Lajer-Burcharth

Half course (spring term). Hours to be arranged.

Examines the works of important European and American women artists from the 1950s to the present. Explores the ways of thinking about their art as a representation of difference understood as historically contingent cultural value rather than a natural or innate quality. Seeks less to pit male vs. female artist than to open up a discussion of the woman artist herself as a locus of difference(s) and of the diversity and difference among women's aesthetic productions.

Note: Expected to be given in 2010–11.

History of Art and Architecture 174g. European Modernism, 1895-1945 - (New Course)

Catalog Number: 81101

Maria Elizabeth Gough

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This survey examines the dynamic relationship between European modernism and various fundamental processes and phenomena of modernization, such as the advent of mass culture and spectacle, the rise of utopian thinking and radical politics, and the widespread interrogation



(among artists) of the nature of signification (how form produces meaning). Movements: Fauvism, Cubism, Expressionism, Futurism, Dada, de Stijl, Suprematism, Constructivism, Productivism, Bauhaus, New Objectivity, and Surrealism. Media: painting, drawing, sculpture, architecture, photography, and prints.

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

Catalog Number: 9158

Ewa Lajer-Burchard

Half course (fall term). Hours to be arranged.

Functions and meanings of the body as privileged visual signifier in French visual arts (painting, sculpture, printed imagery, photography). Body image seen as both instrument of different discourses of modernity and a site of resistance to them. Among the issues addressed: the king's body, republican corporeality; the problem of the nude, bodily spectacles; race; otherness; androgyny; monstrosity; pornography; representations of hysteria; images of desire; fetishism; body and/in space; body and the self.

Note: Expected to be given in 2010–11.

History of Art and Architecture 175k. American and European Art, 1945–1975

Catalog Number: 6910

Benjamin Buchloh

Half course (spring term). M., W., at 12. EXAM GROUP: 5

This course will examine artistic production in the US and Europe between 1945 and 1975 to clarify some of the most crucial questions of this thirty year period: How did post war visual culture repress or acknowledge the recent 'caesura of civilization' brought about by World War II?; how did the neo-avantgarde position itself with regard to the legacies of the avantgardes of the 1920s?; how did artistic production situate itself in relation to the newly emerging apparatus of Mass Media culture?

History of Art and Architecture 175w. Pop Art

Catalog Number: 2172 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

The emergence of Pop art in the 1950s and 1960s, focusing on its challenges to prevailing standards of painting, sculpture, and photography, as well as its multifaceted engagements with postwar spectacles of information and advertising.

[History of Art and Architecture 175y. Visual Culture of Weimar Germany (1919-1937)]

Catalog Number: 5473

Benjamin Buchloh

Half course (fall term). Tu., Th., at 1.

An account of the complex practices defining the avantgarde culture of Weimar Germany from the end of the empire to the beginning of fascism. Ranging from expressionism to Dadaism, from the Bauhaus to New Objectivity, particular emphasis will be given to the transition from painting to collage and photomontage, and to the new photographic culture in response to a rising massmedia culture.



Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[History of Art and Architecture 178m. Cold War Photography]

Catalog Number: 8383 Enrollment: Limited to 15.

Robin E. Kelsey

Half course (spring term). Hours to be arranged.

This course will consider the intersection of photography and social history from 1945-1989 through an examination of key photographic practices, publications, exhibitions, and critical texts.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 180x. Visible Sound: Chinese Art of Pathos]

Catalog Number: 3715

Eugene Wang

Half course (spring term). Hours to be arranged.

The course deals with a central question: why do Chinese history and art history give us different impressions? One is turbulent, the other largely peaceful. Were traditional Chinese artists indifferent to wars and unrests? If not, how did they register their strong emotions such as pathos through visual forms? How does the medium of ink painting and calligraphy convey pathos, which is arguably more amenable to sonic medium such as singing? Can images be vocal?

Note: Expected to be given in 2010–11. No prerequisite of either Chinese language or art history.

[History of Art and Architecture 186p. Post-Medium Art in Post-Socialist China - \(New Course\)](#)

Catalog Number: 50809 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course examines contemporary Chinese art in the throes of the post-medium condition since the 1980's. The eclipse of the Maoist utopian ideology and the rise of market economy in the age of globalization parallels the erosion of traditional medium purity (painting, sculpture, architecture, photography, etc.). Reorientation and repurposing visual mediums and the trans-media experimentations have created new platforms for staging contemporary Chinese experience and thinking outside the boxes, old and new.

[History of Art and Architecture 188j. Japanese Architecture]

Catalog Number: 6988

Yukio Lippit

Half course (spring term). M., W., at 12.

A survey of the diverse architectural traditions of the Japanese archipelago from the prehistoric era through the twentieth century. Various building types—including the Shinto shrine, Buddhist temple, castle, teahouse, palace and farmhouse—will be studied through representative surviving examples. Issues to be explored include the basic principles of timber-frame engineering, the artisanal culture of master carpenters, and the mixed legacy of the functionalist interpretation of Japanese architecture.

Note: Expected to be given in 2010–11.



[History of Art and Architecture 194e. World Fairs: Art and Exposition]

Catalog Number: 5687 Enrollment: Limited to 15.

Suzanne P. Blier

Half course (spring term). Hours to be arranged.

This seminar addresses the larger question of cultural display as seen through the art and architecture of colonial and world fairs from the mid-19th to the mid-20th century Europe and the US, shaping issues of national identity, ethnicity, race, class, and gender.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 195e. Art and Colonialism]

Catalog Number: 8969 Enrollment: Limited to 15.

Suzanne P. Blier

Half course (spring term). Hours to be arranged.

text yet forthcoming

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 196. Contemporary Art in Africa]

Catalog Number: 8120 Enrollment: Limited to 15.

Suzanne P. Blier

Half course (spring term). Hours to be arranged.

Major art movements in 20th-century Africa as well as critical issues which have framed related discussions will be treated. Painting, sculpture, photography, graphic arts, architecture, and performance traditions will be explored with an eye toward both their unique African contexts and the relationship of these traditions to contemporary art movements in a more global perspective.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec]

Catalog Number: 9976

Thomas B. F. Cummins

Half course (fall term). Hours to be arranged.

This course concentrates on the art and architecture of the two ancient American civilizations, surveying the forms of representation used to establish imperial presence within the accepted vernacular of Mesoamerican and Andean artistic traditions. Special attention is given to the role of art as a means of expressing imperial claims to mythic and historic precedents, upon which political and economic expansion could be realized.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

History of Art and Architecture 197g. Colonial Art

Catalog Number: 2623

Thomas B. F. Cummins

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Art and Architecture of the 16th/17th c. in the Spanish New World. The making, the mapping, and imaging of the colonial city.



Primarily for Graduates

***History of Art and Architecture 206. Science and the Practice of Art History**

Catalog Number: 6180 Enrollment: Limited to 12.

Narayan Khandekar and staff

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

The course equips students with critical and informed approaches to the range, applications and ambiguities of instruments employed in the scientific, diagnostic investigation of artworks through lectures, discussions, and close examination of works from the Harvard Art Museums' collections

History of Art and Architecture 222m. Architecture in the Early Modern Mediterranean World: A Cross-Cultural Perspective - (New Course)

Catalog Number: 20595 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar and Alina A. Payne

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Architecture of the eastern Mediterranean basin (at Italian, Ottoman, and Mamluk courts) with emphasis on cross-cultural encounters and transmission of the Romano-Byzantine heritage, science and technology, architectural practice, ornament, urban design, military, religious and domestic architecture.

[*History of Art and Architecture 226e. Cross-Cultural Artistic Exchanges: Islamic and European Courts]

Catalog Number: 4723 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Hours to be arranged.

The seminar explores artistic exchanges between Islamic and European courts, 14th through 18th centuries, and representations of the East in Western images. Particular focus on visual hybridity in Spain, Turkey, Iran and India.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 229p. Word and Image in Persian Painting]

Catalog Number: 2342 Enrollment: Limited to 12.

David J. Roxburgh

Half course (spring term). Hours to be arranged.

Texts of the Persian literary tradition that were illustrated constitute our focus, including Firdawsi's *Shahnama* and Nizami's *Khamsa*. Study of word and image is staged through key examples to open new lines of inquiry.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 235g. The Roman House as Enlivened Space]

Catalog Number: 4809 Enrollment: Limited to 12.

Ruth Bielfeldt

Half course (spring term). Hours to be arranged.

Seminar addresses the culture of enlivenment in the late Republican/Early Imperial Campanian House, manifest in the figural and floral decoration of furniture and household objects, in



statuary, and illusionistic wall paintings of garden landscapes and animate architecture.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 240r. Topics in Byzantine Art : Manuscripts]

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (spring term). Hours to be arranged.

Manuscripts: Their Role and Place at the Byzantine Court.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 241n. Image-Text-Context**

Catalog Number: 1084 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Topics in text and image in medieval manuscript illumination and the history of reading in Latin and vernaculars, making use of local collections (Houghton and Boston Public Library).

[*History of Art and Architecture 241r. Topics in Early Christian Art: Art and Politics in Late Antiquity]

Catalog Number: 7968 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). Hours to be arranged.

With the emergence of a new religion, far-reaching transformations took place in the Greco-Roman world, which set the traditions of western culture and society for the art of the Middle ages and beyond.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 242. Issues of Interpretation in Medieval Art]

Catalog Number: 7561 Enrollment: Limited to 12.

Jeffrey F. Hamburger

Half course (fall term). Hours to be arranged.

A wide-ranging introduction to critical approaches to the study of medieval art, with emphasis on systems of signification, mixing historiography and methodology in a workshop format in which students help set the agenda.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 243n. Hieronymus Bosch]

Catalog Number: 6718 Enrollment: Limited to 12.

Joseph Koerner

Half course (fall term). Hours to be arranged.

A painter of hatred, Bosch launched a never-ending war over what his pictures mean. This course studies the artist's oeuvre and the responses and controversies it elicited in light of Bosch's own fugitive distinction of friend from foe.

Note: Expected to be given in 2010–11.



[History of Art and Architecture 252k. The Age of Albrecht Durer]

Catalog Number: 3305 Enrollment: Limited to 12.

Joseph Koerner

Half course (fall term). Hours to be arranged.

Considers new directions in research on German Renaissance art with special emphasis on the question of "style".

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 252y. Pieter Bruegel]

Catalog Number: 0275 Enrollment: Limited to 12.

Hugo van der Velden

Half course (spring term). Hours to be arranged.

Seminar will focus on interpretation, and address topics like puns, proverbs and popular culture; canvas and panel painting; the Netherlandish tradition; humanist wit and burlesque humor; art and iconoclasm; and a very severe winter.

Note: Expected to be given in 2010–11.

History of Art and Architecture 253s. Art Theories of the Italian Renaissance - (New Course)

Catalog Number: 78318 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Between 1430 and 1600, Italian art theorists provided the framework of the Western discourse on art. Each week, we will discuss one major treatise; readings will be based on the Italian texts.

[*History of Art and Architecture 254g. Gianlorenzo Bernini and the Space of Sculpture]

Catalog Number: 6596 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (fall term). Hours to be arranged.

Bernini's, "dream of the moving statue" (K. Gross) and his goal to, "bend marble like wax"; transformations of (urban, religious, domestic) space in the Baroque master's radiant sculptures.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 254p. The Invention of Portraiture**

Catalog Number: 6845 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Major moments of an enigmatic genre, from 13th century tomb sculpture to late 16th century experiments, with a focus on Italian Renaissance portraiture. Key concepts include similitude versus animation, gender, materiality, agency.

Note: Open to graduate and advanced undergraduate students.

[*History of Art and Architecture 256g. Order and Disorder in Renaissance Architecture]

Catalog Number: 6638 Enrollment: Limited to 12.

Alina A. Payne

Half course (spring term). Hours to be arranged.



The effects of the heterogeneous "disordered" materials/media surviving from antiquity (words, fragments, painting, architectural representations on coins, plaquettes, reliefs, gems, vessels) on Renaissance architecture design.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 257r (formerly *History of Art and Architecture 257n). The Medieval Treasury]

Catalog Number: 9439 Enrollment: Limited to 12.

Hugo van der Velden

Half course (spring term). Hours to be arranged.

Explores the function, constitution, significance and interpretation of the late medieval treasure, with special attention to the courts of France, Burgundy, Berry, etc., the Avignon papal court, and churches like St. Denis and Ste. Chapelle.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 263m. Moving Statues, Breathing Images - Enlivening and animation in Italian Renaissance and Baroque Art]

Catalog Number: 5014 Enrollment: Limited to 12.

Frank Fehrenbach

Half course (spring term). Hours to be arranged.

Enlivening was arguably the most famous topos in Early Modern art. We inquire of its implications in form, art theory, and history of science. Key terms include: movement, color, composition, opacity, gaze; Genesis, Pygmalion, Medusa, Narcissus.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 270m. The Ethnographic Imagination]

Catalog Number: 7797 Enrollment: Limited to 12.

Ewa Lajer-Burchard and Christie McDonald

Half course (fall term). Hours to be arranged.

Focuses on social, artistic and literary images of otherness in the French Enlightenment. Making the foreign familiar, an ethnographic imaginary developed, key to self-reflection and critique. Writers and artists include Diderot, Montesquieu, Rousseau, Watteau, Boucher, Vien.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 270p. Paris and the Idea of the Modern City]

Catalog Number: 9012 Enrollment: Limited to 10.

Neil Levine and Antoine Picon (Design School)

Half course (fall term). Hours to be arranged.

Examines the critical role Paris has played in the birth and development of the idea of the modern city as seen through the multiple perspectives of architecture, art, culture, urban design, and technology.

Note: Expected to be given in 2010–11. Offered jointly with the Graduate School of Design as 4409.

[*History of Art and Architecture 270r. Topics in 19th-Century Art]

Catalog Number: 7958 Enrollment: Limited to 12.



Henri Zerner

Half course (fall term). Hours to be arranged.

Theme this year is: "Imitation, Copy, Reproduction" -Centered on graphic arts, but also considering "multiples" and semi-industrial or industrial production of ornament, etc.

Note: Expected to be given in 2010–11.

History of Art and Architecture 271y. Architecture and Literature : Writers and Architects - (New Course)

Catalog Number: 93425 Enrollment: Limited to 12.

Neil Levine and Alina A. Payne

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Examines exchanges between literature and architecture in terms of content (subject matter, social critique, historical awareness), and form (narrative structures, vocabulary, tropes) from Vasari through Goethe to Borges, and from Alberti through Labrousse to Archigram.

***History of Art and Architecture 272w. Post WW II European Art: France, Italy, Germany**

Catalog Number: 6119 Enrollment: Limited to 15.

Benjamin Buchloh

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Addresses the work of key figures of post-war European art, under the perspective of different, yet complementary conflicts: avantgarde and neo-avantgarde, artistic practices and spectacle culture, aesthetics of repression, trauma and commemoration.

[*History of Art and Architecture 272z. Post WW II European Art (Part II)]

Catalog Number: 6513 Enrollment: Limited to 12.

Benjamin Buchloh

Half course (spring term). Hours to be arranged.

This term: Great Britain, Scandinavia, Austria, and the Benelux countries. Addresses the artistic responses to the legacies of Surrealism, to American mass culture, and to the impact of Fascist domination.

Note: Expected to be given in 2010–11.

History of Art and Architecture 274k. Russian and Soviet Avant-Garde - (New Course)

Catalog Number: 98835 Enrollment: Limited to 12.

Maria Elizabeth Gough

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

[*History of Art and Architecture 275w. The Thing]

Catalog Number: 8955 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (spring term). Hours to be arranged.

Investigates the conundrum of "thingness" in art history, introducing theoretical frameworks for interpreting everything from teapots to minimal sculpture. Interrogates forms of exchange - economic, libidinal, aesthetic, historical- that objects invite (or refuse).

Note: Expected to be given in 2010–11.



[History of Art and Architecture 275x. Aesthetic Theories from Weimar to the Post War Frankfurt School]

Catalog Number: 1977 Enrollment: Limited to 12.

Benjamin Buchloh

Half course (fall term). Hours to be arranged.

The seminar addresses the major texts of aesthetic theory as they were formulated by Georg Lukacs, Ernst Bloch, Siegfried Kracauer, Walter Benjamin, Theodor Adorno, Max Horkheimer and Herbert Marcuse between 1919 and 1968.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 277k. The Contemporary - (New Course)**

Catalog Number: 29579 Enrollment: Limited to 14.

Carrie Lambert-Beatty

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Graduate seminar exploring the intersection of the field of art history with the globalized art world. What is "contemporary art" - in theory, in practice, and in history?

[*History of Art and Architecture 277s. Circa 1970]

Catalog Number: 2286 Enrollment: Limited to 12.

Carrie Lambert-Beatty

Half course (fall term). Hours to be arranged.

Investigation of US artistic production and discourse from the early 1970s, with emphasis on the rubric of the "politicization of the avant-garde" and the periodization of the 60s and 70s.

Comparative looks at Europe and Latin America.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 278x. Chance in Photography]

Catalog Number: 4081 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Hours to be arranged.

Writers and practitioners from William Henry Fox Talbot to Jeff Wall have acknowledged and interpreted the strange traffic between photography and chance. This seminar will ponder and discuss this traffic's history.

Note: Expected to be given in 2010–11.

[History of Art and Architecture 279. Semiotics of Art]

Catalog Number: 3644 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Hours to be arranged.

A fresh consideration of semiotic analysis in the study of the visual arts. Readings will include canonical writing on semiotics (e.g., Peirce, Saussure, Jakobson) and on the semiotics of art (e.g., Schapiro, Damisch, Mukarovsky, Krauss).

Note: Expected to be given in 2010–11.

[History of Art and Architecture 279k. Seeing Spectatorship]

Catalog Number: 7691 Enrollment: Limited to 10.



Carrie Lambert-Beatty

Half course (spring term). Th., 3–5.

What happens when attention shifts from art object to viewer? When, why, and how does this occur? Graduate seminar mapping recent reception-oriented approaches in art as well as art history, literary, film, and cultural studies.

Note: Expected to be given in 2010–11.

***History of Art and Architecture 280j. Concepts in Japanese Architecture - (New Course)**

Catalog Number: 96208 Enrollment: Limited to 12.

Yukio Lippit

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This seminar explores new ways of conceptualizing Japanese architectural history, which is affiliated with the engineering sciences in Japan, as a subject in the humanities.

History of Art and Architecture 282m. Buddhist Art of Body in East Asia - (New Course)

Catalog Number: 35702 Enrollment: Limited to 12.

Eugene Wang and Ryuichi Abe

Half course (spring term). Th., 1–3.

Examines visual and textual evidence related to Buddhist relics and mandalas to reconstruct the culture of body across China, Japan, and Korea from the seventh through thirteenth centuries.

Covers related sites, crypts, shrines, caves, ritual manuals, sutras, and treatises: Kamonsa, Horyuji, Famensi, Chaoyang-ta, etc.

Note: Proficiency in Chinese or Japanese required. This course may also be taken for credit towards department requirements in EALC.

[*History of Art and Architecture 283v. Chinese Art as Ritual]

Catalog Number: 9584 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Hours to be arranged.

Focus is on art as instead of in ritual. Explores how ritual processes or procedural thinking governs the organization of images. Close examination of visual programs in early tombs, Buddhist caves, and Daoist temples.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 286p. The Poem-Picture Scroll]

Catalog Number: 6580 Enrollment: Limited to 10.

Yukio Lippit

Half course (spring term). Hours to be arranged.

This seminar closely examines the genre of the poem-picture scroll (shigajiku) in medieval Japan. Extant works will be studied within the context of literary and painting practices of the time, Zen monastic institutions, the cultural salons of Kyoto, and interregional diplomatic exchange.

Note: Expected to be given in 2010–11. Reading knowledge of Japanese or Chinese required.

[History of Art and Architecture 287k. Rinpa Painting] - (New Course)

Catalog Number: 41903 Enrollment: Limited to 12.



Yukio Lippit

Half course (spring term). W., 1–3.

This seminar explores one of early modern Japan's most important painting lineages, "Rinpa" or "School of Korin." Special emphasis will be placed on the relationship of Rinpa painters to other media and urban context.

Note: Expected to be given in 2010–11.

[*History of Art and Architecture 291r. Topics in Pre-Columbian and Colonial Art](#)

Catalog Number: 2306 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (spring term). M., 3–5.

Jesuit influence in the Colonial Period.

Cross-listed Courses

[African and African American Studies 174. The African City]

[Culture and Belief 30. Photography and Society](#)

[*History 79g. The Museum in Settler Society: Imperialism, Nationalism, Pluralism - \(New Course\)](#)

[*History 81e (formerly *History 1443). Peter Paul Rubens (1577-1640), Scholar, Diplomat, Artist]

[*History 84c (formerly *History 1610). Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America]

[*History 84n. Visual Culture, Translation, and Indigeneity in the Great Lakes - \(New Course\)](#)

[History 1506. Central American and Mexican \(or Mesoamerican\) Peoples: 1500-1840 - \(New Course\)](#)

[History of Science 215r. Science and Culture in Late Medieval and Early Modern Europe: Seminar](#)

[Japanese History 265. The Muromachi Period: Culture and Context] - (New Course)

[Japanese Literature 124. The Tale of Genji in Word and Image](#)

[Japanese Literature 133 (formerly Japanese Literature 250r). Gender and Japanese Art]

[Literature and Arts B-23. The Japanese Woodblock Print](#)

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court](#)

[Literature and Arts B-49. Modernisms 1865–1968]

[Visual and Environmental Studies 100b (formerly 193). Introduction to Video Art: Art in Media Culture]

[*Visual and Environmental Studies 104. Culture Jam: Art and Activism since 1989: Seminar]

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

[Visual and Environmental Studies 181. Frames of Mind: Film Theory](#)

[*Visual and Environmental Studies 182. Film Architectures: Seminar]

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts](#)

[*Visual and Environmental Studies 285x \(formerly *Visual and Environmental Studies 185x\). Visual Fabrics: Film, Fashion and Material Culture: Seminar](#)



Graduate Courses of Reading and Research

***History of Art and Architecture 300. Reading and Research**

Catalog Number: 5716

Ruth Bielfeldt 5682 (on leave 2009-10), Suzanne P. Blier 3472 (on leave 2009-10), Benjamin Buchloh 5325 (on leave fall term), Joseph Connors 1080, Thomas B. F. Cummins 3568, Frank Fehrenbach 5013, Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242 (on leave 2009-10), Deborah Martin Kao 3345, Robin E. Kelsey 4132, Joseph Koerner 1954 (on leave 2009-10), Ewa Lajer-Burcharth 3373 (on leave 2009-10), Carrie Lambert-Beatty 5283, Neil Levine 4178, Henry W. Lie 2575, Yukio Lippit 4713, Carol C. Mancusi-Ungaro 4406, David G. Mitten 1290 (on leave fall term), Robert D. Mowry (Sackler Museum) 1958, Gülru Necipoglu-Kafadar 1688, Peter Nisbet 1738, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, William W. Robinson 2239, David J. Roxburgh 2138 (on leave 2009-10), Victor Stoichita (University of Fribourg) 5014, Eugene Wang 3600, Irene J. Winter 1955, Stephan S. Wolohojian 2756, Henri Zerner 3792, and Hugo van der Velden 4767 (on leave 2009-10)

Individual work in preparation for the General Examination for the PhD degree or, by arrangement, on special topics not included in the announced course offerings.

***History of Art and Architecture 310. Methods and Theory of Art History**

Catalog Number: 7879 Enrollment: Limited to 14.

Robin E. Kelsey 4132

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Note: Limited to incoming graduate students.

***History of Art and Architecture 320. Works of Art: Materials, Forms, Histories - (New Course)**

Catalog Number: 47391 Enrollment: Limited to 12. Limited to first-year graduate students.

Robin E. Kelsey

Half course (spring term). F., 1–3.

A series of team-taught workshops designed to sharpen skills in the observation, analysis, and historical interpretation of works of art and architecture.

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Ruth Bielfeldt 5682 (on leave 2009-10), Suzanne P. Blier 3472 (on leave 2009-10), Benjamin Buchloh 5325 (on leave fall term), Thomas B. F. Cummins 3568, Frank Fehrenbach 5013, Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242 (on leave 2009-10), Robin E. Kelsey 4132, Joseph Koerner 1954 (on leave 2009-10), Ewa Lajer-Burcharth 3373 (on leave 2009-10), Carrie Lambert-Beatty 5283, Neil Levine 4178, Yukio Lippit 4713, David G. Mitten 1290 (on leave fall term), Gülru Necipoglu-Kafadar 1688, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, David J. Roxburgh 2138 (on leave 2009-10), Eugene Wang 3600, Irene J. Winter 1955, Henri Zerner 3792, and Hugo van der Velden 4767 (on leave 2009-10)

Note: May not be counted toward course requirements for the PhD degree.



History of Science

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of the History of Science

Anne Harrington, Professor of the History of Science (*Chair*)
Alison Bashford, Visiting Professor of Australian Studies
Mario Biagioli, Professor of the History of Science
Allan M. Brandt, Amalie Moses Kass Professor of the History of Medicine in the Faculty of Medicine, and Professor of the History of Science in the Faculty of Arts and Sciences, Dean of the Graduate School of Arts and Sciences
Janet Browne, Harvard College Professor, Aramont Professor of the History of Science (*on leave spring term*)
Jimena Canales, Associate Professor of the History of Science
Peter L. Galison, Joseph Pellegrino University Professor (*on leave 2009-10*)
Jeremy Alan Greene, Assistant Professor of the History of Science
Evelynn M. Hammonds, Barbara Gutmann Rosenkrantz Professor of the History of Science and of African and African American Studies, Dean of Harvard College
James Benjamin Hurlbut, Lecturer on the History of Science
Sarah Jansen, Associate Professor of the History of Science
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Rebecca M. Lemov, Assistant Professor of the History of Science
John E. Murdoch, Professor of the History of Science
Sean Tath O'Donnell, Lecturer on the History of Science
Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*Director of Graduate Studies*) (*on leave 2009-10*)
Ahmed Ragab, Lecturer on the History of Science
Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences (*on leave fall term*)
Mark Schiefsky, Professor of the Classics (*on leave 2009-10*)
Steven Shapin, Franklin L. Ford Professor of the History of Science (*Director of Undergraduate Studies*)
Hallam Stevens, Lecturer on the History of Science (*spring term only*)
Klaas van Berkel, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders (*fall term only*)
Adelheid Voskuhl, Assistant Professor of the History of Science
Nicolas Wey-Gomez, Visiting Associate Professor of the History of Science
Elizabeth E. Yale, College Fellow in the History of Science

Other Faculty Offering Instruction in the Department of the History of Science

Owen Gingerich, Professor of Astronomy and of the History of Science, Emeritus
Peter Godfrey-Smith, Professor of Philosophy



Erwin N. Hiebert, Professor of the History of Science, Emeritus
Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus
Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies, John F. Kennedy School of Government
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
Everett I. Mendelsohn, Professor of the History of Science, Emeritus
Martha L. Minow, Jeremiah Smith, Jr. Professor of Law (*Law School*)
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)
Barbara Gutmann Rosenkrantz, Professor of the History of Science, Emerita
A. I. Sabra, Professor of the History of Arabic Science, Emeritus

The Department of the History of Science oversees the undergraduate concentration in History and Science and provides the degree of AM and PhD to properly qualified graduate students. The Department also offers instruction in the history of science to students in other fields.

Primarily for Undergraduates

***History of Science 91r. Supervised Reading and Research**

Catalog Number: 1238

Steven Shapin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed reading and research to be conducted by a person approved by the Department.

[*History of Science 96. Academic Internship in History and Health Policy]

Catalog Number: 5204

Steven Shapin and members of the Department

Half course (spring term). Hours to be arranged.

An opportunity to apply the methods and ideas of the history of health and medicine to understand the practical problems that have framed health policy in 20th-century America, and vice-versa, emphasizing the ways in which transformations in the epistemological and structural foundations of medical care have interacted with the broader public policy: the effects of the market upon standards of care; the rise of the clinical trial and Evidence-Based Medicine; and health-care reform.

Note: Expected to be given in 2010–11. Students are expected to produce substantial research papers based on their classwork and field placements, which are typically arranged with institutions in the Boston area.

***History of Science 97. Tutorial — Sophomore Year**

Catalog Number: 5235

Elizabeth E. Yale

Half course (spring term). M., at 4, and a weekly section to be arranged. EXAM GROUP: 9



This introductory term of sophomore tutorial focuses on four or five key moments in the history of science, technology and medicine. We will explore how research, reading, and writing are done in this field. There will be opportunities to visit our Collection of Historic Scientific Instruments and to engage with historic documents.

Note: Required for undergraduate concentration in History and Science.

***History of Science 98 (formerly *History of Science 98r). Tutorial — Junior Year**

Catalog Number: 1120

Anne Harrington

Half course (fall term; repeated spring term). Hours to be arranged.

This half of the junior year is a research-oriented tutorial taken in small groups. Focuses on enhancing research and writing skills through the completion a directed research paper on subject matter of the student's interest.

***History of Science 99. Tutorial — Senior Year**

Catalog Number: 6619

Elizabeth E. Yale

Full course. Hours to be arranged.

Faculty-led seminar and intensive work with an individual advisor, directed towards production of the senior honors thesis.

Note: Ordinarily taken by seniors as a full course. May be taken as a half course only if special permission is obtained. Students are expected to complete a thesis or submit a research paper or other approved project in order to receive course credit.

Cross-listed Courses

Culture and Belief 11. Medicine and the Body in East Asia and in Europe

[Culture and Belief 20 (formerly Historical Study A-27). Reason and Faith in the West]

Environmental Science and Public Policy 78. Environmental Politics

***Freshman Seminar 24l. Imagining the Future: Biotechnology, Ethics and the**

Transformation of the Human in the 20th Century

***Freshman Seminar 25i. On the Witness Stand: Scientific Evidence in the American Courts**

***Freshman Seminar 44t. The Atomic Bomb in History and Culture**

Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry

[Historical Study B-45. The Darwinian Revolution]

***History 83b (formerly *History 1472). Historical Ontology**

[Science A-41. The Einstein Revolution]

For Undergraduates and Graduates

History of Science 100. Knowing the World: An Introduction to the History of Science

Catalog Number: 0905

Steven Shapin

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Science is modernity's most authoritative way of knowing the world, both natural and social. We



explore how science acquired such authority; how it was distinguished from such other ways of knowing as religion, art, and history; and what different forms scientific inquiry took over time. These questions are approached through a broad chronological survey of the history of science, including the physical, life, and human sciences, from the Middle Ages to the present.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for Historical Study A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

History of Science 106. History of Ancient Science

Catalog Number: 3958

John E. Murdoch

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An examination of key aspects and issues in the development of ancient science, focusing on natural philosophy from the Presocratics to Aristotle as well as its relation to early Greek medicine and mathematics. Some consideration will also be given to the historiography of natural philosophy within this period.

[History of Science 107. History of Medieval Science]

Catalog Number: 5071

John E. Murdoch

Half course (fall term). Hours to be arranged.

A study of the scope and nature of scientific thought in the Latin Middle Ages, with emphasis upon the relation of that thought to other aspects of medieval culture, in particular, religion, philosophy, and the universities.

Note: Expected to be given in 2010–11.

History of Science 109. Science and Religion in the Middle East

Catalog Number: 9116

Ahmed Ragab

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course addresses the interactions, dialogues and debates of science and religion (with a focus on Abrahamic religions) in the Middle East from the medieval period to the present. It begins by focusing on ontological, epistemological and legal/ethical aspects of these interactions and trace how such debates were manifested in various economic and sociopolitical situations and in legal and philosophical debates. The course devotes a number of sessions to discuss case-studies representing questions of gender, sexuality and race. The materials and discussions in the course will be interdisciplinary in nature with some emphasis on social history, history, philosophy and sociology of science, religious studies, gender and sexuality studies and Middle East history.

[History of Science 112. Health, Medicine and Healing in Medieval and Renaissance Europe]

Catalog Number: 8576

Katharine Park

Half course (spring term). M., W., (F.), at 10.



A survey of medical theory, organization, and practice in the context of other forms of contemporary healing, notably magical and religious. Topics include the gendering of healing and the body, the rise of hospitals and related institutions, and responses to "new" diseases such as syphilis and plague.

Note: Expected to be given in 2010–11.

History of Science 114v. From Angels to Monsters: Cosmology, Anthropology, and the Ends of the World - (New Course)

Catalog Number: 89392

Nicolas Wey-Gomez

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Explores the medieval European understanding of the structure and workings of the cosmos in the context of medieval theology, physics, astronomy, astrology, magic, and medicine. Attention to the position of humans as cultural creatures at the intersection of nature and spirit; and the place of Christian Europeans in relation to non-Christians and other categories of 'outsiders' within and beyond Europe. Readings include Hippocrates, Aristotle, Pliny, Ptolemy, Augustine, Bacon, Aquinas, Marco Polo, Mandeville, and Columbus.

[History of Science 117. Science, Philosophy, and Religion in Late Antiquity and the Middle Ages]

Catalog Number: 9172

John E. Murdoch

Half course (fall term). M., W., (F.), at 11.

Consideration of how science and natural philosophy found itself both opposed to and used by Christian, Judaic, and Islamic religious traditions and, as a crucial test case, how these traditions handled the divide between creation and the eternal world.

Note: Expected to be given in 2010–11.

[History of Science 120. History and Philosophy of Modern Physics]

Catalog Number: 5116

Peter L. Galison

Half course (spring term). Tu., Th., at 10.

Philosophical questions raised by historical developments in 20th- and 21st-century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Special and general relativity. Issues in quantum mechanics surrounding causality, determinism, realism, and probabilism. Atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories? Is a reductionist theory of nature possible? Rise of string theory and nanosciences. Readings: scientific, historical, and philosophical texts.

Note: Expected to be given in 2010–11. Cannot be taken for credit by students who have already taken Physics 120.

History of Science 123. The Clockwork Universe

Catalog Number: 6517

Jimena Canales

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8



During the tumultuous period of the French Revolution scientists ironically found the universe to be stable and constant. But this stability soon gave way to an uncertain future. New theories predicted its end, its uncontrollable expansion, and even the need for God to keep it going. How have we thought about the Universe and its inhabitants (from Laplace to Einstein and from astronomy to physics) through classic scientific texts.

History of Science 126. The Matter of Fact: Physics in the Modern Age

Catalog Number: 5319 Enrollment: Limited to 15.

Jimena Canales

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

What is a scientific fact? What is a physical law? How are scientific facts and laws discovered, established, and, sometimes, overturned? These questions will be addressed by exploring important episodes in the history of facts, ranging from the Apollo moon landings to DNA evidence in the courtroom, with a special focus on the hard facts and laws of physics: electrons, molecules, X-rays, and the laws of thermodynamics.

[History of Science 131. History of Biology]

Catalog Number: 3073

Janet Browne

Half course (fall term). M., W., (F.), at 11.

An introduction to the ways in which animals and plants have been examined, discussed and used from around 1650 to 1950. The course covers specimen collecting, classification, exploration, botanic gardens, museums, zoos and pets, plants as commodities, the environmental sciences, and the rise of laboratory biology. Visits to the Collection of Historical Scientific Instruments, the Museum of Comparative Zoology, and local laboratories will be arranged.

Note: Expected to be given in 2010–11.

History of Science 132. Environmental History

Catalog Number: 8673

Sarah Jansen

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Environmental sciences, politics, and policies in a global context. Topics to be covered: Pristine nature; built environments; managed forests, agriculture, biodiversity, population and environment in postcolonial contexts; the seas, GM organisms, global warming, environmental risk assessment, and narratives of nature. Course materials include films, novels, and policy papers, as well as scientific and other academic papers.

History of Science 133. Biotechnology and Society - (New Course)

Catalog Number: 36366

Hallam Stevens

Half course (spring term). M., W., (F.), at 10.

Analyzes contemporary debates about stem cells, genetically modified organisms, patenting of life, and cloning using the tools of history and the social sciences. Locating the origins of biotechnology in agricultural and beer-brewing techniques of the nineteenth century, this class traces the recent history of attempts to control, manipulate, and utilize biology to further human ends. Understanding the political, economic, medical, and cultural histories of biotechnology



will illuminate how contemporary biotechnologies are re-framing what we mean by 'natural,' 'artificial,' 'living,' and 'human.'

History of Science 134. Nature on Display: Conference Course

Catalog Number: 4987

Janet Browne

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

We follow the work of naturalists and collectors from colonial times to the recent past as they opened up biological knowledge in North America and Europe. Our theme is to explore the cultural meaning of collecting, preserving, and displaying organisms. We look at the history of travel, museums, zoos, and shows, as well as early conservation work, animals in the movies, and the use of animals in modern laboratories. Our course will include a visit to the Museum of Comparative Zoology.

History of Science 137. Dogs and How We Know Them

Catalog Number: 3047 Enrollment: Limited to 25.

Sarah Jansen

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examines the history of dogs and how we conceptualized (wo)man's best friend over time. Topics include the origins of dogs and the nature of domestication, breeding and dog breeds, mad dogs and rabies, learning theories and training methods, unwanted dogs and the humane movement, dogs as veterinary patients, dogs as experimental systems, dog emotion and social behavior, working and companion dogs, dogs as symbols, dog genomics.

[History of Science 140. Disease and Society]

Catalog Number: 4471

Charles E. Rosenberg

Half course (fall term). M., W., (F.), at 12.

A consideration of changing conceptions of disease during the past two centuries. We will discuss general intellectual trends as well as relevant cultural and institutional variables by focusing in good measure on case studies of particular ills, ranging from cholera to sickle cell anemia to anorexia and alcoholism.

Note: Expected to be given in 2010–11.

[History of Science 141. The Social Life of Pharmaceuticals]

Catalog Number: 8890

Jeremy Alan Greene

Half course (fall term). W., 2–4.

The evolution of the modern pharmaceutical industry over the long twentieth century--from its early intersection with the image and later the structure of scientific research, to its dramatic post-WWII expansion and late-century saturation of medical and marketing media--is tightly intertwined with broader social, cultural, economic, and political developments. This conference course engages primary and secondary works in the history and anthropology of pharmaceuticals to situation the prescription drug as cultural artifact.

Note: Expected to be given in 2010–11.



***History of Science 145 (formerly *History of Science 90m). Medicine and Deviance: Conference Course**

Catalog Number: 2795 Enrollment: Limited to 15.

Charles E. Rosenberg

Half course (spring term). M., 2–4.

Sociologists and historians have described what they call the medicalization of deviance: explaining certain behaviors as the consequences of disease rather than culpable choice. I refer to a variety of behaviors ranging from homosexuality to substance abuse, from chronic fatigue syndrome to premenstrual syndrome. This course will focus on the interrelated legal, medical, policy, and professional history of such problematic “diseases” during the past century and a half.

History of Science 147v. Eugenics: Comparative Histories: Conference Course - (New Course)

Catalog Number: 44071

Alison Bashford

Half course (fall term). Th., 4–6. EXAM GROUP: 18

This course will compare the history and historiography of eugenics in the US, Australia, and Britain, 1860s to 1970s. Situated between natural sciences and social sciences, nineteenth century eugenicists presented some of the first faltering attempts to apply evolutionary ideas to human populations. The course will examine how eugenics came to flourish globally as part of early twentieth century modernity, and trace later scientific enterprises which were linked to eugenics. It will explore how local demographic, political as well as scientific contexts shaped different national histories of this controversial applied science.

History of Science 148. History of Global Health - (New Course)

Catalog Number: 21054

Jeremy Alan Greene

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A survey course for undergraduates and graduate students exploring the interrelated histories of public health, international health, and global health from the 19th to the 21st centuries, with attention to the relationship between Western and non-Western forms of scientific practice and health systems. This course will trace the role of health and medicine in mediating the relationships between metropolis and colony, state and citizen, North and South, public welfare and private interest, research practices and human subjects, the commodification of health and the body, and human rights discourse. The course will be divided chronologically into four parts, tracing imperial health formations in the long 19th century, the nascent internationalism of the interwar period, the construction of bureaucracies of development in the postwar and postcolonial era, and configurations of public- and private-sector actors in late 20th and early 21st century global health practices. This course will meet twice weekly for lectures and once a week in small group sections; graduate students can enroll in a separate graduate seminar section.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.



History of Science 150. History of Social Science

Catalog Number: 0135

Rebecca M. Lemov

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Examination of the growth and development of social sciences such as sociology, anthropology, psychoanalysis, psychology, political science, and economics from the Enlightenment to the present. Innovators devised these fields to provide new, scientific ways to gain insight into age-old philosophical and religious questions, such as, What is the nature of the "self" or the "soul"? What binds human beings to one another? What is free will? What are the limits of social control, behavioral engineering, and the possible reach of techniques for adjustment and manipulation?

History of Science 151. Modern Pasts and Postmodern Futures - (New Course)

Catalog Number: 22763

Jimena Canales

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

This course analyzes the modern age through three complementary perspectives. First, it offers a historical perspective focusing on landmark changes of the period, particularly focusing on science (Pasteur, Darwin, Charcot, Maxwell) and technology (steam engines, rail, telegraphy, photography). Second, it analyzes the work of important writers on modernity and civilization (focusing on Marx, Bergson, Freud). Third: it studies theorists of postmodernity (mainly Lyotard, Jameson, Habermas) who describe the benefits, dangers and/or alternatives to modernity.

[*History of Science 152. Filming Science]

Catalog Number: 8254

Peter L. Galison and Robb Moss

Half course (fall term). M., W., 12–3.

Examination of the theory and practice of capturing scientific practice on film. Topics will include fictional, documentary, informational, and instructional films and raise problems emerging from film theory, visual anthropology and science studies. Each student will make and edit short film(s) about laboratory, field, or theoretical scientific work.

Note: Expected to be given in 2010–11.

[History of Science 153. History of Dietetics]

Catalog Number: 1409

Steven Shapin

Half course (fall term). W., 2–4.

A survey of the relationships between medical expertise and human eating habits from Antiquity to the present, giving special attention to the links between practical and moral concerns and between expert knowledge and common sense.

Note: Expected to be given in 2010–11.

[*History of Science 154. Science and Business in Modern America]

Catalog Number: 7942 Enrollment: Limited to 25.

Steven Shapin



Half course (spring term). M., 2–4.

A survey of the relationships between the practice of science and the world of commerce in the United States since the beginning of the 20th century. Topics covered include the conduct and image of science in academia and industry, ideas about the connections between science and technology, and the development and understanding of entrepreneurial science.

Note: Expected to be given in 2010–11.

History of Science 157. Sociology of Science

Catalog Number: 2434

Steven Shapin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to a series of sociological topics concerning the scientific role, the scientific community, and scientific knowledge that are of special interest to historians. What are the social conditions for the institutionalization of science and for the support of the scientific role? What are the possibilities for a historical sociology of scientific knowledge? What social pressures have historically been exerted on our overall understanding of science and its relations with society?

History of Science 160. Intellectual Property in Science

Catalog Number: 8570

Mario Biagioli

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

We examine different forms of credit for scientific and technological innovation, comparing publication credit in science and use of patents to protect technoscientific work. Readings range from history of technoscience to legal and literary studies.

History of Science 161. The Scientific Revolution

Catalog Number: 2868

Mario Biagioli

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

Examines the interrelated transformations in 16th- and 17th-century astronomy, cosmography, mathematics, medicine, and natural history. Places works of Copernicus, Kepler, Galileo, Newton, Descartes in the context of the scientific traditions of ancient Greece and medieval Islam as revived by Renaissance humanists. Analyzes recent historiographical criticisms of the Scientific Revolution as "grand narrative" versus the particularism of micro-history. Adopts contemporary divisions of knowledge and differentiates concepts, practices, and rates of change within each scientific field as alternative interpretation.

Note: This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History of Science 162. Science in the Enlightenment

Catalog Number: 7570

Adelheid Voskuhl

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Explores practices of scientific theory, experimentation and observation in Europe and North America, 1681-1815. Topics include: Chemistry, Electricity, Astronomy, Mathematics, Natural



History, Newtonianism, Science and the Public Sphere, Science and the State, Science and Rationality, Science and Utility, and Science and the Industrial Revolution.

[History of Science 163. Imagined Worlds: Utopia in the Age of the Scientific Revolution and Beyond: Conference Course]

Catalog Number: 5095 Enrollment: Limited to 15.

Katharine Park

Half course (spring term). W., 2–4.

Explores the relationship between the "new science" of thinkers such as Copernicus, Bacon, Galileo, and Descartes and the new worlds imagined by writers such as More, Shakespeare, Cavendish, and Swift. The course is expected to make use of the online virtual world Second Life.

Note: Expected to be given in 2010–11.

Prerequisite: History of Science 100, History of Science 161, or another course on the Scientific Revolution.

[*History of Science 171. Narrative and Neurology]

Catalog Number: 3222

Anne Harrington

Half course (spring term). Th., 12–2.

An exploration of the complex relationship between the making of brain science and the human stories/experiences of brain damaged people. Topics include iconic cases of brain damage like Phineas Gage and H.M (and who speaks for them), the emergence and historical function of neurological case histories, the study of brain-damaged soldiers in WWI, the "neurological novels" of Alexandr Luria, the popular writings of Oliver Sacks, the brain-injured patient as author, and internet-based writings celebrating "neurodiversity."

Note: Expected to be given in 2010–11.

[History of Science 172. Managing the Mind]

Catalog Number: 1216

Charles E. Rosenberg

Half course (spring term). Th., 2–4.

Focuses on efforts to prevent, cure, and manage emotional and behavioral ills. The readings and discussion examine relationships between law and medicine, efforts to prevent mental illness ("mental hygiene"), and efforts at therapeutic management ranging from institutional care to lobotomy.

Note: Expected to be given in 2010–11.

Prerequisite: HS A-87 ("Madness and Medicine") provides good background for this course, but is not a requirement.

History of Science 174. Critical Experiments in the Human Sciences

Catalog Number: 1750

Rebecca M. Lemov

Half course (fall term). M., W., (F.), at 10. EXAM GROUP: 3

This course focuses on high-impact experiments - among them, the Milgram "Obedience" experiments and the Stanford Prison Experiment - carried out in the twentieth-century human



sciences by anthropologists, sociologists, social psychologists, and/or experimental psychologists. Many dreamed of a "technology of human behavior" and conducted experiments toward this end. What were the results, and how do they continue to affect our thinking and daily lives today?

***History of Science 176. Brainwashing and Modern Techniques of Mind Control - (New Course)**

Catalog Number: 76277

Rebecca M. Lemov

Half course (spring term). Th., 2. EXAM GROUP: 16, 17

This course examines the phenomenon of "brainwashing" as a modern set of techniques that can apparently force a subject radically to alter her beliefs against her will. The Cold War roots of 'brainwashing' - both the myth and the reality -- lie in the politics of twentieth-century anti-Communism and the deeper fear that people's most strongly held thoughts, ideas, and ideological commitments could be vulnerable to powerful infiltration. In order to understand the dynamics of this process we will examine case studies beginning with the Korean War-era emergence of the term 'brainwashing', the American interdisciplinary science of "coercive persuasion" that arose in response, and successive waves of technological, political, and sociocultural developments. We will also look at how brainwashing and analogous persuasive techniques may operate among larger groups, crowds, organizations, and mass societies.

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

Catalog Number: 4338

Anne Harrington

Half course (fall term). M., W., at 11.

An analysis of the making of modern mind-body medicine as a system of interacting (and partly conflicting) narratives. Why do we believe that certain illnesses have roots in childhood traumas? That the stress of modern life can kill? That positive attitude can heal? That the "East" possesses secrets of mind-body balance that the West has lost? Analytic emphasis on the relationship between scientific research, clinical practice, popular culture, and experiences of illness and recovery.

Note: Expected to be given in 2010–11.

History of Science 181. Technology and the Circulation of Knowledge in Early Modern Europe - (New Course)

Catalog Number: 49481

Klaas van Berkel

Half course (fall term). M., 4–6. EXAM GROUP: 9

In the early modern period, nature came to be seen as both a subject of passive contemplation and an object of active manipulation. Technology therefore increasingly defined man's relationship to nature. This course explores this development in early modern Europe, with special attention to the Dutch Republic, technologically speaking the most advanced country in the seventeenth century. Topics discussed will range from the technologies of war and land reclamation to scientific instrumentation.



[History of Science 182. Science, Modernity, and Discontent]

Catalog Number: 4322

Jimena Canales

Half course (fall term). Tu., Th., at 11.

Examines theories of modernity (Marx, Freud, Bergson) vis-à-vis postmodernity (Habermas, Lyotard, Jameson) in the context of modern science and technology. Particular emphasis is placed on the development of the steam engine, telegraphy, rail, photography and cinematography and their impact on art, history, psychology, medicine, and urbanism.

Note: Expected to be given in 2010–11.

History of Science 186. Technology in the Social World

Catalog Number: 2147

Adelheid Voskuhl

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

Explores technological systems in a variety of social and historical contexts in Europe, North America, and Asia in early modern and modern periods. Topics include warfare, agriculture, communication technologies, labor, transportation, consumerism, urbanization, and colonization. Special emphasis on the interrelations between technological artifacts and other forms of "cultural production" such as government, commerce, philosophy, and art.

History of Science 189. Speech, Print, Television, Blog: The History of Communications Technologies - (New Course)

Catalog Number: 87683

Elizabeth E. Yale

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Communications technologies - from the printed book to the Blackberry - are fundamental features of modern life. This course examines the relationships between communications technologies, culture, and the production of knowledge. Our investigation will be organized around a set of inter-related questions: how do communications technologies shape patterns of thought and culture? How is communication embedded in human relationships and conveyed through technologies? What is the relationship between our own historical moment - the digital communications "revolution" - and the way in which we understand the history of communications technologies? More generally, what is the relationship between any given historical moment and its theories about the history of communications technologies?

Cross-listed Courses

[Classical Studies 165. Ancient Medicine]

East Asian Studies 175. The History of Modern Science and Technology in East Asia

[History 1345. The Human Sciences in the Modern West]

[Japanese History 130. Edo Japan in the History of Curiosity]

***MCB 142. Major Advances in Classical and Molecular Genetics**

Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global Perspective: Conference Course

[Sociology 190. Life and Death in the US: Medicine and Disease in Social Context]



Primarily for Graduates

[*History of Science 201 (formerly *History of Science 200). Research Methods in the History of Science]

Catalog Number: 5277

Anne Harrington and members of the Department

Half course (fall term). M., 1–3:30.

Introduction to research tools and resources, including libraries, archives, and collections useful for the History of Science at Harvard. Discussion of current methodologies and research practices by members of the Department.

Note: Expected to be given in 2010–11. The course is required for first year students in the PhD program and students in the AM program in the History of Science. To fulfill the History of Science 201 requirement, AM students and students entering the PhD program in 2009-10 should register for History of Science 310.

***History of Science 206r. The Continuum of Motion, Space and Change in Aristotle and the Aristotelian Tradition: Seminar - (New Course)**

Catalog Number: 2410

John E. Murdoch

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A study of the later books of Aristotle's *Physics* as well as the extension and development of key contentions of these books received in the fourteenth century.

***History of Science 207r. Science, Philosophy and Religion in the Middle Ages and The Renaissance: Seminar - (New Course)**

Catalog Number: 8468

John E. Murdoch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The primary texts in these periods expressing reserve, opposition and outright condemnation of Aristotelian natural philosophy, in particular its contentions of the eternity of the world; its future contingency and the doctrine of free will, together with the historiography of these developments.

Note: Reading knowledge of Latin is not required.

[History of Science 212. The Sciences of Life, Medicine and the Body in Medieval Renaissance Europe: Proseminar]

Catalog Number: 0640

Katharine Park

Half course (spring term). Hours to be arranged.

Graduate colloquium for students preparing for general examinations in the fields covered by the course, as well as other students wishing to develop a comprehensive knowledge of the subject through extensive reading of secondary sources.

Note: Expected to be given in 2010–11.

History of Science 214v. The Old Science in the New World: Nature, Culture, and Empire in the Age of Exploration: Seminar - (New Course)



Catalog Number: 52977

Nicolas Wey-Gomez

Half course (spring term). W., 4–6. EXAM GROUP: 9

Studies how Spain's exploration and conquest of the Americas tested European understandings of the natural world; of nature's bearing on human psycho-physiology and, thereby, on culture; and of the balance between normalcy and deviance in natural and human domains. Topics range from changing theories about the distribution of land and life around the globe to 'natural' and 'moral' histories implicated in a debate over Spain's rights to the Americas and its peoples.

Readings: Aristotle, Strabo, Pliny, Ptolemy, Columbus, Vespucci, Oviedo, Las Casas, and Acosta.

History of Science 215r. Science and Culture in Late Medieval and Early Modern Europe: Seminar

Catalog Number: 4568

Katharine Park and Susan Dackerman

Half course (spring term). M., 2–4.

Topic for 2009-10: Prints and the Production of Knowledge in Early Modern Europe. Explores the overlapping knowledge projects of sixteenth- and seventeenth-century artists, artisans, and scientists and the role of printed images in those projects. An important focus of the seminar will be planning a special exhibition to be mounted in the Collection of Historical Scientific Instruments.

Prerequisite: Some familiarity with the history of early modern European art or science and reading knowledge of at least one European language in addition to English.

[*History of Science 222r. Research in the History and Philosophy of Physical Sciences: Seminar]

Catalog Number: 4178

Peter L. Galison

Half course (spring term). Hours to be arranged.

Students advance their chosen research with the aim of producing a publishable paper. Open to students working in 19th- to 21st-century sciences and technologies, or boundary work within science, art, and architecture.

Note: Expected to be given in 2010–11.

***History of Science 233. Computers and Organisms: Seminar - (New Course)**

Catalog Number: 51473

Hallam Stevens

Half course (spring term). Th., 4–6.

Humans have long been fascinated by the connections between living things and mechanical automata. From nineteenth century human 'computers,' to Norbert Wiener's conception of a cybernetic organism as a feedback machine, to more recent research on artificial intelligence and artificial life, this class traces the history of the analogy between biology and machines.

Understanding how and why computers and organisms have become so intimately connected sheds light on how technology has displaced and re-figured conceptions of 'aliveness' and human subjectivity.

Note: Open to advanced undergraduates.



[History of Science 238. Rethinking the Darwinian Revolution: Seminar]

Catalog Number: 9533

Janet Browne

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Taking Charles Darwin as a well-documented case study, we will explore the historiography of evolutionary ideas from 1900 on, covering the political, social, and scientific commitments involved in the concept of a "Darwinian Revolution."

Note: Expected to be given in 2010–11.

[History of Science 240. The Body in Health and Disease: Seminar]

Catalog Number: 6821

Charles E. Rosenberg

Half course (spring term). Th., 4–6.

"Sickness" and "health," notions of inappropriate and appropriate behavior, are determined by conceptions of the body and its proper management. Discussion will focus first upon secondary studies and subsequently upon students' research.

Note: Expected to be given in 2010–11.

[History of Science 241. Representing Patients, Doctors, Illness: The Social History of Medicine explored through Literature](#)

Catalog Number: 5778

Janet Browne

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This intensive reading course addresses the social history of medicine as expressed in literature (fiction, drama, and memoirs) mostly from the 19th century to the present day, with some attention paid to Shakespeare. Key themes are illness as metaphor, relationships between patients and doctors, representations of mind and body, and medical imagery.

[History of Science 242. Caring and Curing: Seminar]

Catalog Number: 6304

Charles E. Rosenberg

Half course (fall term). Th., 2–4.

The body and its management in health and disease. Discussions of representative texts, underlining historiographical and substantive issues in the history of medicine, followed by student progress reports and drafts.

Note: Expected to be given in 2010–11.

[History of Science 243. The Making of Modern Medicine: Seminar]

Catalog Number: 5572

Charles E. Rosenberg

Half course (spring term). W., 4–6.

Focus on key works in the history of medicine, illustrating historiographical trends in the past half-century as well as the substantive aspects of the field that have attracted the historical concern.

Note: Expected to be given in 2010–11.



[*History of Science 244. Research in the History of Medical Ethics: Seminar]

Catalog Number: 6301

Allan M. Brandt

Half course (spring term). Hours to be arranged.

Course provides a framework for the historical examination of debates concerning medical ethics, and seeks to identify social, cultural, political, and economic forces that have shaped value conflicts in clinical medicine and health policy. Students are expected to write a research paper utilizing primary and archival source materials.

Note: Expected to be given in 2010–11.

History of Science 245v (formerly History of Science 247v). Contagion and Colonialism: Seminar - (New Course)

Catalog Number: 59178

Alison Bashford

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

From tropical medicine to international health, infectious disease management and history of colonialism have been closely linked. Focusing on US and Australian history in particular, this course will examine the history of "medicine at the border" in the modern era of imperialism and globalization: the science, politics, and public health benefits and costs of quarantine and health screening; the connections between health interventions and territorial expansion; between disease, citizenship, and governance. Management of particular diseases will form a focus: smallpox, yellow fever, cholera, tuberculosis. We will work closely through the large historiography on national, colonial, and racial dimensions of tropical medicine and international health.

History of Science 247. Current Issues in the History of Medicine: Seminar - (New Course)

Catalog Number: 28251

Allan M. Brandt

Half course (fall term). M., 4–6.

Explores new methods for understanding disease, medicine, and society, ranging from historical demography to cultural studies. Topics include patterns of health and disease, changes in medical science and clinical practice, the doctor-patient relationship, health care systems, alternative healing, and representations of the human body. The course will focus on historical problem-framing, research strategies, and writing.

History of Science 249. Caregiving: Historical and Anthropological Perspectives: Seminar - (New Course)

Catalog Number: 43358

Charles E. Rosenberg and Arthur Kleinman (Medical School)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

In every time and place women and men have become ill and sought care. This course is organized around ethnographic and historical studies of caregiving, providing a framework for thinking comparatively about the illness experience in a variety of cultural and historical contexts. We will be examining the spectrum of care from local and family through highly bureaucratic and specialized settings. We will examine chronic as well as acute illness and



disability and interrogate rationales for caregiving including the moral and emotional as well as the operational and instrumental.

History of Science 251. Whither History of Science? - Seminar - (New Course)

Catalog Number: 74285

Jimena Canales

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

From the history of ideas to history scientific practices. From focusing on books to studying labs. From thinking about theories to reevaluating objects. How we think about science and why.

***History of Science 253. Bioethics, Law, and the Life Sciences**

Catalog Number: 4500

Sheila S. Jasanoff

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Seeks to identify and explore salient ethical, legal, and policy issues – and possible solutions – associated with developments in biotechnology and the life sciences.

Note: Offered jointly with the Kennedy School as IGA-325. May not be taken for credit by students who have already taken IGA-325 (KSG).

[History of Science 255. Sociology of Scientific Knowledge: Seminar]

Catalog Number: 8911

Steven Shapin

Half course (fall term). F., 12–2.

Surveys themes and achievements in the sociological study of scientific knowledge and practice, focusing on the historical and cultural contexts in which this work developed and its usefulness in writing the history of science.

Note: Expected to be given in 2010–11.

History of Science 256. Culture, Personality, and Self

Catalog Number: 5086

Rebecca M. Lemov

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Examines the history of the culture and personality movement, considered narrowly and broadly, as well as technologies and techniques developed in the social and human sciences for measuring the self and its socialization processes.

History of Science 257. Post-Human Science Studies

Catalog Number: 9269

Mario Biagioli

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

We discuss recent science studies questioning dichotomies between society and nature, human and non-human agency, and between the human and the animal. Readings include Latour, Rheinberger, Rabinow, Haraway, Rotman, Murphy, and Pickering.

[History of Science 258. The Normal and the Abnormal]

Catalog Number: 0817



Charles E. Rosenberg and Arthur Kleinman (Medical School)

Half course (spring term). M., 4–6.

We examine case studies and theoretical readings from history, cultural anthropology, and social theory, to compare notions of the normal and abnormal. We ask how do norms bridge the moral, the political, and the body.

Note: Expected to be given in 2010–11. Open to undergraduates with the permission of the instructor. May not be taken concurrently with Anthropology 2655.

***History of Science 259. The History of the History of Science - (New Course)**

Catalog Number: 68494

Steven Shapin

Half course (spring term). Tu., 2–4.

A critical survey of conceptions of the history of science over the past hundred years or so and an interpretative engagement with why what's been said about science and its history have mattered so much.

[History of Science 273. Freud and the American Academy]

Catalog Number: 5828 Enrollment: Limited to 15.

Anne Harrington

Half course (fall term). Hours to be arranged.

Freud himself and Freud as used, adapted, and denounced in the academy. Freud himself on hysteria, dreams, the unconscious, sex, religion, and aggression. Appropriations and polemics within psychiatry, philosophy, literary criticism, psychohistory, feminism, and brain science.

Note: Expected to be given in 2010–11. Intended to function as a graduate seminar, but advanced undergraduates with appropriate background in psychology or history of science (e.g., HS 175) will be considered.

History of Science 281. Flat Science: Picturing Knowledge through Print, Photography, and Cinematography

Catalog Number: 2387

Mario Biagioli

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines imaging techniques from the Scientific Revolution to the twentieth century in astronomy, physiology, and criminology; interactions between art history (Benjamin, Krauss), philosophy (Bergson, Foucault, Deleuze), and science studies; the epistemological status of pictures.

[History of Science 284. Technology and the Text: Machines and Discourse in Historical and Literary Inquiry]

Catalog Number: 6779

Adelheid Voskuhl

Half course (fall term). Hours to be arranged.

Investigates historically and theoretically the relationship between textuality and technology in recent works as well as in "classics" of the history of technology, cultural theory and literary criticism. Readings include studies in media history, media theory, and theories of materiality and textuality; case studies in history of technology and literary history; and literary and cultural



analyses of the mechanical reproduction of poetry and of works of art from 19th- and 20th-c.
German and French Social and Cultural Theory.
Note: Expected to be given in 2010–11.

***History of Science 285a. Science, Power and Politics I**

Catalog Number: 5124

Sheila S. Jasanoff

Half course (fall term). W., 2:10–4. EXAM GROUP: 7, 8

This is the fall term of a year-long seminar that introduces students to the major contributions of the field of science and technology studies (S&TS) to the understanding of politics and policymaking in democratic societies.

Note: Offered jointly with the Kennedy School as IGA-313. May not be taken for credit by students who have already taken IGA-313 (KSG). Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

[*History of Science 285b. Science, Power, and Politics II]

Catalog Number: 5291

Sheila S. Jasanoff

Half course (spring term). Tu., 2:10–4. EXAM GROUP: 16, 17

Introduction to major methodological approaches in the field of science and technology studies (S&TS), particularly focusing on the analysis of science politics and policymaking in democratic societies.

Note: Expected to be given in 2010–11. Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

History of Science 286. History of Technology: Reformation to the Present

Catalog Number: 0767

Adelheid Voskuhl

Half course (fall term). Hours to be arranged.

Survey of history of technology during early modern and modern periods in Europe, North America, and Asia. Readings include social and cultural histories of technology, classics in the theory of technological modernity, and primary sources.

[History of Science 287. Heidegger and Technology: Seminar]

Catalog Number: 2819

Peter L. Galison and Peter E. Gordon

Half course (fall term). W., 2–4.

An advanced seminar focusing on Heidegger's assessment of modern technology and the relation of scientific and/or technological practices to human experience, history, and philosophy.

Note: Expected to be given in 2010–11. Offered jointly with History 2471.

History of Science 288. History and Philosophy of Technology: Proseminar

Catalog Number: 6645

Adelheid Voskuhl

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Graduate-level seminar on classic and recent influential works in the history and philosophy of



technology, covering the early modern, modern, and late modern periods; industrial-technological, information-technological, and bio-technological systems; as well as philosophical accounts from the analytical and the continental traditions. Literature covers authors such as Karl Marx, Martin Heidegger, Jurgen Habermas, Thomas Hughes, Donna Haraway, Donald MacKenzie, David Landes, Hayden White, Emily Thompson, and Ken Alder.

[History of Science 293. Experts, Politics and Public Policy]

Catalog Number: 4043

Sheila S. Jasanoff

Half course (spring term). Hours to be arranged.

This course takes a critical look at the assumptions underlying the use of expertise in policymaking and asks how our growing reliance on experts affects the quality, effectiveness, and accountability of public policy and governance. Case studies and theoretical readings are used to explore the basis for claims of expertise, the reasons for expert controversies, the relations between lay-people and experts, and the measures used to hold experts accountable in diverse decisionmaking frameworks.

Note: Expected to be given in 2010–11. Jointly offered with PAL-145 at the Kennedy School of Government.

[*History of Science 294. Tools, Instruments, and Extended Cognition]

Catalog Number: 3303

Peter L. Galison and Peter Godfrey-Smith

Half course (fall term). W., 4–6.

Examination of the relation between external tools and cognition. Can the boundaries of a thinking agent extend beyond the skin? Perspectives from philosophy of mind and history of science, including Clark, Wilson, Galison and others.

Note: Expected to be given in 2010–11.

[*History of Science 295r. Scientific and Legal Doubt: Inter-School, Faculty-Student Workshop]

Catalog Number: 8360 Enrollment: Limited to 15.

Peter L. Galison and Martha L. Minow (Law School)

Half course (fall term). Hours to be arranged.

Is climate change due to human intervention? What are the effects of tobacco, asbestos, and low-level radiation? Is Darwinism "just a theory"? We will produce a student-faculty-guest expert "commission report" on doubt in science and law.

Note: Expected to be given in 2010–11. Open to graduate students, undergraduates, law students, and others by permission of the instructors.

History of Science 297r. Topics in the History of Medieval Latin Science

Catalog Number: 5050

John E. Murdoch

Half course (spring term). Hours to be arranged.

Topic to be announced.

Prerequisite: Reading knowledge of Latin.



***History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar**

Catalog Number: 4893

John E. Murdoch

Half course (spring term). Hours to be arranged.

Prerequisite: Knowledge of Latin, but no previous experience with paleography required.

Cross-listed Courses

East Asian Studies 200. The Uses and Meaning of the New Arts of Presentation

East Asian Studies 205. Approaches to the Comparative History of Medicine and the Body

[East Asian Studies 230r (formerly East Asian Studies 230). The History of East Asian Medicine: Seminar]

Japanese History 260r. Topics in Japanese Cultural History

[*Sociology 260. The Sociology of Global Health]

Graduate Courses of Reading and Research

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388

Mario Biagioli 1756, Allan M. Brandt 3031, Janet Browne 5511 (on leave spring term), Jimena Canales 5070, Peter L. Galison 3239 (on leave 2009-10), Peter Godfrey-Smith 3338, Jeremy Alan Greene 6155, Evelyn M. Hammonds 4545, Anne Harrington 1895, Sarah Jansen 4107, Sheila S. Jasanoff 2248, Arthur Kleinman (Medical School) 7473, Shigehisa Kuriyama 5269, Rebecca M. Lemov 5570, Martha L. Minow (Law School) 2617, John E. Murdoch 1877, Katharine Park 2974 (on leave 2009-10), Charles E. Rosenberg 3784 (on leave fall term), Steven Shapin 3984, and Adelheid Voskuhl 5569

Note: Under special circumstances arrangements may be made for other instruction in guidance for doctoral dissertations.

***History of Science 301. Reading and Research**

Catalog Number: 5641

Mario Biagioli 1756, Allan M. Brandt 3031, Janet Browne 5511 (on leave spring term), Jimena Canales 5070, Peter L. Galison 3239 (on leave 2009-10), Owen Gingerich 1159, Peter Godfrey-Smith 3338, Jeremy Alan Greene 6155, Evelyn M. Hammonds 4545, Anne Harrington 1895, Steven James Harris 4081, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107, Sheila S. Jasanoff 2248, Arthur Kleinman (Medical School) 7473, Shigehisa Kuriyama 5269, Andrew Lakoff (University of California, San Diego) 6152, Rebecca M. Lemov 5570, Everett I. Mendelsohn 2700, Martha L. Minow (Law School) 2617, John E. Murdoch 1877, Katharine Park 2974 (on leave 2009-10), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784 (on leave fall term), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984, and Adelheid Voskuhl 5569

Individual work in preparation for the General Examination for the PhD degree.

***History of Science 302. Guided Research**

Catalog Number: 5282



Mario Biagioli 1756, Allan M. Brandt 3031, Janet Browne 5511 (on leave spring term), Jimena Canales 5070, Peter L. Galison 3239 (on leave 2009-10), Owen Gingerich 1159, Peter Godfrey-Smith 3338, Jeremy Alan Greene 6155, Evelyn M. Hammonds 4545, Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107, Sheila S. Jasanoff 2248, Arthur Kleinman (Medical School) 7473, Shigehisa Kuriyama 5269, Rebecca M. Lemov 5570, Everett I. Mendelsohn 2700, Martha L. Minow (Law School) 2617, Robb Moss 1392, John E. Murdoch 1877, Katharine Park 2974 (on leave 2009-10), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784 (on leave fall term), Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984, and Adelheid Voskuhl 5569

Through regular meetings with faculty advisor, each student will focus on research and writing with the purpose of developing a publishable research paper.

***History of Science 310. History of Science Salon Evening**

Catalog Number: 1047

Katharine Park 2974 (on leave 2009-10)

Half course (fall term). Hours to be arranged.

What is history of science all about as a discipline and profession? This half-course meets evenings throughout the academic year to introduce first-year graduate students in the history of science to the range of debates, questions and research practices currently shaping the field.

Note: The course is required for first year students in the PhD program and students in the AM program in the History of Science. Offered in 2009-10 in lieu of HS 201 and, for the purpose of degree requirements for AM students and students entering the PhD program in 2009-10, fulfills the HS 201 requirement.

Human Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Human Evolutionary Biology

Daniel E. Lieberman, Professor of Anthropology (*Chair*)

Coren Lee Apicella, College Fellow in the Department of Anthropology

John C. Barry, Lecturer on Human Evolutionary Biology

Judith F. Chapman, Lecturer on Human Evolutionary Biology (*fall term only*)

Nancy Lou Conklin-Brittain, Lecturer on Human Evolutionary Biology (*fall term only*)

Peter T. Ellison, John Cowles Professor of Anthropology

Ian Christopher Gilby, Lecturer on Human Evolutionary Biology (*fall term only*)

Russell Dean Greaves, Lecturer on Human Evolutionary Biology (*fall term only*)

Carole K. Hooven, Lecturer on Human Evolutionary Biology (*spring term only*)

Karen L. Kramer, Associate Professor of Human Evolutionary Biology



Susan F. Lipson, Lecturer on Human Evolutionary Biology
Amanda S. Lobell, College Fellow in Human Evolutionary Biology
Zarin Pearl Machanda, Lecturer on Human Evolutionary Biology
Luke J. Matthews, Lecturer on Human Evolutionary Biology (*fall term only*)
Charles Lindsay Nunn, Associate Professor of Human Evolutionary Biology (*on leave spring term*)
David Pilbeam, Henry Ford II Professor of Human Evolution (*Head Tutor*)
Maryellen Ruvolo, Professor of Human Evolutionary Biology
Tanya M. Smith, Assistant Professor of Human Evolutionary Biology
Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology
Richard W. Wrangham, Harvard College Professor, Ruth Moore Professor of Biological Anthropology (*Director of Graduate Studies*)

Human Evolutionary Biology provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. It addresses why humans and primates are the way they are from an evolutionary perspective. Understanding the biological bases for the behavioral and physical traits that distinguish humans from other primates is one of the great challenges of modern biology, and is the focus of Human Evolutionary Biology. Students interested in addressing questions about human and non-human primate cognition from the perspective of human evolutionary biology also may pursue a special program of study affiliated with the University-wide Mind, Brain, and Behavior Initiative. For concentration requirements, see the Department of Human Evolutionary Biology website.

Primarily for Undergraduates

***Human Evolutionary Biology 91r. Supervised Reading and Research**

Catalog Number: 3631

David Pilbeam

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in human evolutionary biology, given on an individual basis and directly supervised by a member of the Human Evolutionary Biology Faculty. May be taken for a letter grade or Pass/Fail. Signature of faculty supervisor required.

***Human Evolutionary Biology 97y. Sophomore Tutorial in Human Evolutionary Biology**

Catalog Number: 2205

David Pilbeam

Half course (spring term). Hours to be arranged.

An introduction to the issues and methods of biological anthropology, including evolutionary theory and its application to humans. Focuses on the comparison of primate and human biology, life history and social behavior as ecological adaptations and their application to understanding human evolution. Weekly readings, discussions, and short writing assignments, with a final research paper and presentation.

Note: Required of and limited to Human Evolutionary Biology and Biological Anthropology concentrators.



***Human Evolutionary Biology 99. Tutorial—Senior Year**

Catalog Number: 2840

David Pilbeam

Full course (indivisible). Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

Cross-listed Courses

***Freshman Seminar 21e. What Can The Fossil Record Tell Us About The Likely Biological Effects Of Climate Change?**

***Freshman Seminar 44q. Evolution and Human Behavior**

***Freshman Seminar 44s. Neanderthals and Human Evolutionary Theory**

***Freshman Seminar 46o. The Evolutionary Significance of Cooking**

For Undergraduates and Graduates

Human Evolutionary Biology 1310 (formerly Anthropology 1310). Hormones and Behavior

Catalog Number: 2265

Carole K. Hooven

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the interaction between hormones and behavior, emphasizing research in humans. General principles of endocrine physiology are presented. The course then focuses on how hormones affect the brain and body in early development and later in adulthood, and the relationship of hormones to sex and gender. We will explore human reproduction, energy metabolism, mating and sexuality, parental behavior, learning and memory, stress, and dominance interactions.

Note: This course is a prerequisite for Human Evolutionary Biology 1418.

Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar

Catalog Number: 5008 Enrollment: Limited to 15.

Judith F. Chapman

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

An examination of human sexuality from a scientific perspective. Students will read and present primary scientific literature that highlights current research on a variety of topics including: sexual development, gender identity, sexual orientation, cross cultural variations in mating systems, promiscuity, the evolution of monogamy, sexual attraction, sexual communication, including an exploration of the existence of human pheromones, libido and sexual dysfunction.

Human Evolutionary Biology 1315. Ecology of Modern Hunter Gatherers

Catalog Number: 2051

Karen L. Kramer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course focuses on the variable ways that hunter-gatherers interface with their environment and make their living, and the implications of this subsistence strategy for their biology and behavior. During the first part of the course, key theoretical issues and debates that surround the



study of modern hunter/gatherers will be discussed. Once this foundation is laid, the course will survey modern and historic hunter/gatherers from all the major geographic regions of the world.

Human Evolutionary Biology 1325. Evolution of Technology

Catalog Number: 2357

Russell Dean Greaves

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An important aspect of what makes us human is our unique reliance on diverse technologies. This class develops inferences about the evolution of technology from modern human traditional cultures, the archaeological record, hominin functional morphology, and comparisons with tool use in other primates. Readings, lectures, and discussions emphasize how technology is used for subsistence, shelter, physical protection, and other behaviors that helped ancestral hominins and contemporary humans occupy a range of variable environments.

Human Evolutionary Biology 1330 (formerly Anthropology 1330). Primate Social Behavior

Catalog Number: 4332

Ian Christopher Gilby and Richard W. Wrangham

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A review of the behavioral interactions in natural primate populations, drawing on experimental, observational, and theoretical studies. Discussion of ecological, physiological, and developmental bases of primate social behavior, with special attention to the evolution of patterns of behavioral interactions among individuals of different age, sex, relatedness, and status. Topics include sexual conflict, sexual selection, and mating systems; care of offspring and other aid-giving; manipulative and cooperative aspects of communication; competition, dominance, and territoriality; and the evolution of social relationships.

Prerequisite: Introductory biology or Science B-29 or with permission of instructor.

[Human Evolutionary Biology 1331. Comparison and Adaptation in Primate Evolutionary Biology]

Catalog Number: 8252 Enrollment: Limited to 15.

Charles Lindsay Nunn

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Understanding human evolution requires us to reconstruct the past and identify the adaptive basis of primate traits. How can this be achieved for behavior, language, culture and other traits that lack a clear fossil record? This course will take a hands-on approach to teach new methods for reconstructing evolutionary history. Through readings, computer labs and an independent project, students will investigate cognitive evolution in hominids, primate sociality, and ecological adaptations in humans and nonhuman primates.

Note: Expected to be given in 2011–12.

[Human Evolutionary Biology 1333. Primate Disease Ecology]

Catalog Number: 8036 Enrollment: Limited to 15.

Charles Lindsay Nunn

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Infectious disease plays a major role in the lives of humans, and the same is true of nonhuman primates. This course will explore infectious diseases in humans and nonhuman primates. We



will consider similarities and differences in disease ecology in humans and nonhuman primates, and we will investigate the role of infectious disease in primate - including human - evolution. *Note:* Expected to be given in 2010–11.

Human Evolutionary Biology 1335. Behavioral Ecology of Chimpanzees - (New Course)

Catalog Number: 32284

Zarin Pearl Machanda

Half course (spring term). W., 1–4.

An advanced seminar on current topics in behavioral ecology research of chimpanzees and bonobos. Topics will include: foraging, dominance, cooperation, adolescence, reproductive strategies, culture, ranging, cognition, molecular ecology, and relationships. We will discuss behavioral flexibility of chimpanzees between different communities across Africa and learn how to collect and analyze behavioral data. We will compare the behavior of chimpanzees and bonobos with that of humans and examine how these species might serve as models for human evolution.

Prerequisite: Human Evolutionary Biology 1330 or Science B-29 or permission of instructor.

[Human Evolutionary Biology 1351. Reproductive Ecology]

Catalog Number: 3408

Peter T. Ellison

Half course (fall term). M., W., (F.), at 12, and a weekly section to be arranged. EXAM GROUP: 5

A course on the physiological ecology and evolutionary biology of human and primate reproduction. Topics covered include gamete production, gestation, birth, lactation, reproductive maturation, mature reproductive function, aging and senescence.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 2 or Human Evolutionary Biology 1310 strongly suggested.

[Human Evolutionary Biology 1355. Darwin Seminar: Evolution and Emotion]

Catalog Number: 8314 Enrollment: Limited to 20.

Peter T. Ellison

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

A course on the intellectual history of evolution with rotating topics. This year the focus will be on evolution and emotion, starting with Darwin's *Expression of Emotion in Man and Other Animals* and including current research on the philosophy, physiology, neurobiology, and evolutionary significance of emotion.

Note: Expected to be given in 2011–12.

[Human Evolutionary Biology 1371. Paternity, Fidelity and Parenting]

Catalog Number: 0712

Karen L. Kramer

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course introduces human life history through the topic of male/female relationships, parenting, and family formation. Key issues covered include life history tradeoffs, reproductive strategies, division of labor, pair-bonding and cooperative breeding. Emphasis is placed on examining life history characteristics shared across primates, those particular to humans, and



their variation cross-culturally. The course is designed for students studying anthropology, evolutionary biology, evolutionary psychology and other disciplines interested in the relationship between human biology and behavior.

Note: Expected to be given in 2010–11. Junior research seminar. Taught every other year, alternating with Human Evolutionary Biology 1315.

[*Human Evolutionary Biology 1375 (formerly *Anthropology 1375). Testosterone and Human Behavior]

Catalog Number: 6933 Enrollment: Limited to 15.

Judith F. Chapman

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

An exploration of current research in human behavior and testosterone, including the relationships between normal variation in testosterone and variation in traits such as cognition, aggression, personality traits, and sexual behavior within both males and females. Medical uses of testosterone, such as anabolic steroids, hormone replacement therapy, and reassignment, are explored.

Note: Expected to be given in 2010–11. Preference given to Human Evolutionary Biology and Biological Anthropology concentrators.

Human Evolutionary Biology 1380 (formerly Anthropology 1380). The Behavioral Biology of Women

Catalog Number: 8721 Enrollment: Limited to 20.

Coren Lee Apicella

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A lecture/seminar course that explores female behavior focusing on evolutionary, physiological, and biosocial aspects of women's lives from puberty, through reproductive processes such as pregnancy, birth, lactation, to menopause and aging. Also explores female life history strategies in different cultural settings. Topics include cognitive and behavioral differences between men and women and male and female reproductive strategies. Examples are drawn from traditional and modern human societies and data from nonhuman primates are considered.

Human Evolutionary Biology 1383. Why Be Nice? The Biological Basis of Cooperation - (New Course)

Catalog Number: 45731

Ian Christopher Gilby

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

The theory of evolution by natural selection hinges upon the fact that individuals are in constant competition over food, mates and other valuable resources. Yet, many animals frequently behave in ways that benefit others, often at an apparent cost to themselves. Such behavior seems puzzling. Through lecture, discussion and literature-based research, we will investigate the evolution of cooperation in animals as a basis for understanding cooperation in human societies.

Prerequisite: Introductory biology or Science B-29 or Human Evolutionary Biology 1330 or with permission of instructor.

Human Evolutionary Biology 1405. The Biology of Aging - (New Course)

Catalog Number: 30624



Noreen Tuross

Half course (fall term). Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

The seminar will focus on human aging by examining experimental models of aging, mechanisms involved in aging, the role of diet and infection in the aging process and the evolution of the human life span.

Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar

Catalog Number: 9881

Nancy Lou Conklin-Brittain

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

An exploration of modern controversies in human nutrition from an evolutionary perspective, using primate and human dietary adaptations, digestive physiologies, feeding behavior and ecology. We will explore topics including: nutritional requirements, optimal foraging, maternal and infant nutrition, the nature of early hominid diets, the role of hunting and carnivory in human evolution, and finally, the nutritional impact of agriculture and technology on dietary composition and modern human diets.

***Human Evolutionary Biology 1418 (formerly *Anthropology 1418). Endocrinology and Behavior: Research Seminar**

Catalog Number: 1437 Enrollment: Limited to 8.

Susan F. Lipson

Half course (fall term). M., W., at 11, and a weekly laboratory either M. or W., 2-5. EXAM GROUP: 4

An introduction to laboratory techniques and research design in behavioral endocrinology. Students conduct pilot research projects.

Note: Preference given to Human Evolutionary Biology and Biological Anthropology concentrators and graduate students.

Prerequisite: Human Evolutionary Biology 1310 or with permission of instructor.

Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Evolutionary Anatomy

Catalog Number: 6233

Tanya M. Smith

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

How did the human body evolve, and how does it develop, grow and function? An integrative overview of human anatomy and evolution, with a focus on the musculo-skeletal system, including aspects of developmental biology, functional morphology, physiology, and the fossil record. Topics include: muscle and skeletal development, anatomy, and histology; the biomechanics of muscles and bones; craniofacial growth and development; the functional morphology of chewing, respiration, vocalization, locomotion, and other activities.

Prerequisite: Life Sciences 2 or with permission of instructor.

Human Evolutionary Biology 1421. Teeth

Catalog Number: 8758 Enrollment: Limited to 6.

Tanya M. Smith

Half course (fall term). W., 3–5:30. EXAM GROUP: 8, 9



Teeth are one of the best preserved and most commonly-recovered elements in fossil assemblages. This seminar will focus on ways in which dental remains may inform studies of fossil primate growth and development, ecology, and social structure. Students will read and discuss current scientific literature, and will conduct pilot research projects.

Note: Preference given to Human Evolutionary Biology and Biological Anthropology concentrators and graduate students.

***Human Evolutionary Biology 1450. Human Evolutionary Genetics**

Catalog Number: 1769 Enrollment: Limited to 15.

Amanda S. Lobell

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

This course investigates the human genome in an evolutionary context. Topics to be covered include human and primate comparative genetics, the genetic evidence for modern human origins, human genetic diversity and its functional implications (including disease), and natural selection on the human genome.

Prerequisite: Life Sciences 1b

Human Evolutionary Biology 1455. Primate Genetics - (New Course)

Catalog Number: 97253

Luke J. Matthews and Amanda S. Lobell

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The last few years have witnessed a revolution in the study of primate biology thanks to newly available genetic data. This seminar integrates genetics with behavior and ecology to consider key topics in primate evolution. Major questions posed by this class include how DNA-based evolutionary relationships provide information about primate anatomy, physiology and behavior; the role of dispersal, paternity, and kinship in structuring primate societies; and how gene by environment interactions influence primate behavior.

Prerequisite: Life Sciences 1b.

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

Catalog Number: 3359

Maryellen Ruvolo

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Introduction to the primates, emphasizing their molecular evolutionary history and the forces that mold their genomes. Topics include the neutral theory of molecular evolution, molecular clock concept and its applications, evolution of multigene families, relationships between primate morphological and molecular evolution, molecular convergences, evidence for horizontal gene transfer in primate genomes, and evolution of simian and human immunodeficiency viruses, color vision genes.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 1b.

Human Evolutionary Biology 1490. Primate Evolution

Catalog Number: 7376

David Pilbeam and John C. Barry



Half course (spring term). Tu., Th., 1:30–3:30. EXAM GROUP: 15, 16, 17

A lecture/discussion course on primate evolution from a paleontological perspective. Following a survey of major primate groups as adaptive radiations, the hominoid fossil record will be reviewed within the context of the mammalian record, a particular focus being the relationship between adaptive, faunal, and climate change. Systems that can be inferred from the fossil record (for example, positional and foraging behaviors) will be discussed comparatively. Section meetings will focus primarily on the fossil record.

Note: No final exam; research paper required. Can be taken by Human Evolutionary Biology concentrators as a Junior Research Seminar. Introductory courses in paleoanthropology, evolution, genetics, or anatomy helpful.

[Human Evolutionary Biology 1565. Theories of Sexual Coercion]

Catalog Number: 1953 Enrollment: Limited to 20.

Richard W. Wrangham and Diane L. Rosenfeld (Harvard Law School)

Half course (spring term). Hours to be arranged.

Where does interpersonal violence come from? Is it learned? Is it innate? Is it malleable? What are we to make of the gendered difference in the use of violence? What does the study of sexual violence in primates offer to our understanding of its prevalence among humans? In this course, we will examine evolutionary perspectives on male sexual coercion in primates and in humans to search for insights into sexual violence among humans. The review of this body of literature offers different analytical methods for questioning the use of sexual violence in our society, helping us identify new ways of preventing its occurrence.

Note: Expected to be given in 2011–12. Offered jointly with Harvard Law School as LAW-99015A.

[*Human Evolutionary Biology 1580 (formerly *Anthropology 1580). Paleoecology and Human Evolution]

Catalog Number: 3509

John C. Barry

Half course (spring term). Tu., 1:30–3:30. EXAM GROUP: 15, 16, 17

A lecture-seminar course on the principles of paleoecology, including methods used to reconstruct past climate and ecosystems. There will be an emphasis on the ancient environments and paleoecology of early hominids. May be taken as a Research Seminar in Biological Anthropology or Human Evolutionary Biology.

Note: Expected to be given in 2010–11.

Prerequisite: With permission of instructor.

Cross-listed Courses

[Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution](#)

[Life Sciences 2. Evolutionary Human Physiology and Anatomy](#)

[OEB 10. Foundations of Biological Diversity](#)

[OEB 53 \(formerly Biological Sciences 53\). Evolutionary Biology](#)

[*OEB 121a. Research in Comparative Biomechanics](#)

[\[*Psychology 1151. Cognitive Evolution: Theory and Practice\]](#)



***Psychology 1152r. Cognitive Evolution Lab**
Science B-29. Evolution of Human Nature
Science of Living Systems 16. Human Evolution and the Human Body

Primarily for Graduates

[Human Evolutionary Biology 2305. Advanced Topics in Human Evolutionary Biology]

Catalog Number: 1009

Daniel E. Lieberman

Half course (spring term). Hours to be arranged.

Reading and discussion of topics in human evolutionary biology and paleoanthropology.

Note: Expected to be given in 2011–12.

Human Evolutionary Biology 2311. Evolutionary Medicine Seminar (Graduate Seminar in General Education) - (New Course)

Catalog Number: 20263

Charles Lindsay Nunn

Half course (fall term). Hours to be arranged.

Evolution is the guiding principle in biology, yet evolution has played only a minor role in medicine and human health. This course will explore the emerging field of evolutionary medicine and its recent applications. The seminar will design and develop a General Education course on these themes for undergraduates.

***Human Evolutionary Biology 2312. Current Topics in Human Evolutionary Genetics**

Catalog Number: 1175

Maryellen Ruvolo

Half course (spring term). Hours to be arranged.

Critical reading of current literature on the genetics of living humans and discussion of evolutionary implications.

Note: Open to first and second year graduate students in Human Evolutionary Biology.

***Human Evolutionary Biology 2337r (formerly *Anthropology 237br). Advanced Laboratory Methods in Human Endocrinology**

Catalog Number: 5345

Susan F. Lipson 1969

Half course (spring term). Hours to be arranged.

Note: Intended for students engaged in laboratory research on human endocrinology.

***Human Evolutionary Biology 2350a. Laboratory Methods in Primate and Human Nutrition I - (New Course)**

Catalog Number: 62293

Nancy Lou Conklin-Brittain 6142 (fall term only)

Half course (fall term). Hours to be arranged.

Independent laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior.



***Human Evolutionary Biology 2350b. Laboratory Methods in Primate and Human Nutrition II - (New Course)**

Catalog Number: 99831

Richard W. Wrangham 2349

Half course (spring term). Hours to be arranged.

Independent laboratory study in the biochemical analysis of plant and animal foods, and of humans and animal digestive physiology and feeding behavior.

[Human Evolutionary Biology 2430 (formerly Anthropology 229). Behavioral Biology Seminar]

Catalog Number: 3777

Karen L. Kramer

Half course (spring term). Hours to be arranged.

Reading and discussion of current research in the behavioral ecology of humans and nonhuman primates. Emphasis placed on comparative and interdisciplinary approaches.

Note: Expected to be given in 2011–12. Required of entering graduate students in Human Evolutionary Biology. Open to other graduate students. Limited to graduate students.

Human Evolutionary Biology 2460. Issues in Human Evolution

Catalog Number: 1073

David Pilbeam

Half course (spring term). Hours to be arranged.

A discussion course for first and second year graduate students in Human Evolutionary Biology. Topics will include origins of hominids, radiation of hominins, origins of the genus *Homo*, and origins of *Homo sapiens*.

Note: To be taken while auditing Science B-27.

[*Human Evolutionary Biology 2595ar (formerly *Anthropology 295ar). Laboratory Methods in Evolutionary Genetics]

Catalog Number: 7934

Maryellen Ruvolo 2512

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11. Limited to graduate students and undergraduates conducting senior thesis research.

***Human Evolutionary Biology 2595br (formerly *Anthropology 295br). Laboratory Methods in Evolutionary Genetics**

Catalog Number: 6468

Maryellen Ruvolo 2512

Half course (spring term). Hours to be arranged.

Note: Limited to graduate students and undergraduates conducting senior thesis research.

Cross-listed Course

[*Psychology 2381. Hot Topics in Cognitive Science and Neuroscience] - (New Course)



Graduate Courses of Reading and Research

***Human Evolutionary Biology 3000. Reading and Research - (New Course)**

Catalog Number: 99167

Coren Lee Apicella 6318, John C. Barry 1892, Peter T. Ellison 7413, Karen L. Kramer 5769, Daniel E. Lieberman 3980, Susan F. Lipson 1969, Amanda S. Lobell 6242, Charles Lindsay Nunn 6146 (on leave spring term), David Pilbeam 7224, Maryellen Ruvolo 2512, Tanya M. Smith 6147, Noreen Tuross 4845, and Richard W. Wrangham 2349

Special reading in selected topics under the direction of members of the department.

Note: Consult the appropriate member of the department.

***Human Evolutionary Biology 3001. Reading for General Examination - (New Course)**

Catalog Number: 47645

Members of the Department

Individual reading in preparation for the general examination for the doctoral degree.

Note: Restricted to candidates for the doctoral degree and ordinarily to those who have completed at least one year in residence.

***Human Evolutionary Biology 3310 (formerly *Anthropology 3310). Experimental Methods**

Catalog Number: 9602

Members of the Department

***Human Evolutionary Biology 3320. Advanced Laboratory and Dissertations - (New Course)**

Catalog Number: 62752

Members of the Department

***Human Evolutionary Biology 3400. Advanced Reading and Research - (New Course)**

Catalog Number: 77859

Members of the Department

Note: Consult the appropriate member of the department.

***Human Evolutionary Biology 3500. Direction of the Doctoral Dissertations - (New Course)**

Catalog Number: 26337

Members of the Department

Note: Consult the appropriate member of the department.

***Human Evolutionary Biology 3600. Current Issues in Human Evolutionary Biology**

Catalog Number: 9373

Members of the Department

Half course (fall term; repeated spring term). Fall: Tu., at 12. Weekly seminars in human evolutionary biology.



Inner Asian and Altaic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Inner Asian and Altaic Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*)

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Terry D. Martin, George F. Baker III Professor of Russian Studies

Michael J. Puett, Professor of Chinese History

David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History (*on leave 2009-10*)

Wei-Ming Tu, Harvard Yenching Professor of Chinese History and Philosophy and of Confucian Studies (*on leave fall term*)

Michael Witzel, Wales Professor of Sanskrit

Richard K. Wolf, Professor of Music

The Committee supervises the work of graduate students whose interest in Inner Asia is not confined to languages alone, or history alone, but encompasses linguistics, history, religion, art history, and general cultural study. Courses relating to Inner Asian Studies are given by members of the Committee and other faculty in the departments of Anthropology, East Asian Languages and Civilizations, History, History of Art and Architecture, Linguistics, Near Eastern Languages and Civilizations, and Sanskrit and Indian Studies, and by the Committee on the Study of Religion. Interested students should consult these sections of the catalog. The Committee has offices at 1730 Cambridge Street, Cambridge, MA, 02138; 617-495-3777.

Latin American and Iberian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The 2009-10 membership of this committee has not yet been finalized. Complete membership information for 2009-10 will be posted as soon as it becomes available.



Faculty of the Committee on Latin American and Iberian Studies

Committee on Latin American and Iberian Studies-composed of FAS faculty associated with the activities of the David Rockefeller Center for Latin American Studies, which coordinates research, teaching, and public programs on Latin American and related fields such as the Caribbean, the Iberian peninsula, and the Latin American Diaspora in the United States. Although the committee does not offer an undergraduate concentration or an advance degree, it awards a Certificate in Latin American Studies to Harvard College students who have completed an approved course of study as part of their work toward to A.B. degree in many concentrations.

Founded in 1994, Harvard's David Rockefeller Center for Latin American Studies (DRCLAS) works to increase knowledge of the cultures, economies, histories, environment, and contemporary affairs of past and present Latin America. DRCLAS's main office is located in Cambridge, Massachusetts at Harvard University. The DRCLAS also has offices in Brazil and Chile.

Life Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Life Sciences

Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*Chair (On Leave)*) (*on leave 2009-10*)

Lee Ann Michelson (*Ex Officio*)

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Chair (Acting)*)

Ann Georgi, Undergraduate Research Adviser for the Life Sciences (*Ex Officio*)

Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics

Tamara J. Brenner, Lecturer on Molecular and Cellular Biology

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*), Professor of Ophthalmology (*Medical School*)

Kevin C. Egan, Associate Professor of Stem Cell & Regenerative Biology

Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology

Gonzalo Giribet, Professor of Organismic and Evolutionary Biology

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*), Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Richard M. Losick, Maria Moors Cabot Professor of Biology

David Pilbeam, Henry Ford II Professor of Human Evolution



Life Sciences Courses are jointly organized by faculty members of Anthropology, Chemistry and Chemical Biology, Molecular and Cellular Biology, Organismic and Evolutionary Biology, and Psychology Departments. Life Sciences Courses fulfill requirements in multiple Life Sciences Concentrations, the Core Curriculum, and General Education and are taught by teams of faculty from multiple departments. More information on Life Sciences Education may be found online at: www.lifescience.fas.harvard.edu.

Incoming students interested in the life sciences should take Harvard's online Chemistry and Biology Placement Tests, and should take advantage of the science advising available in the Science Center the week before classes begin. Members of the Life and Physical Sciences Departments will be available during this period to advise students. The Harvard Chemistry and Biology Placement Tests recommend the appropriate beginning course for students interested in pursuing the life sciences, either Life Sciences 1a or Life and Physical Sciences A. Life and Physical Sciences A is a one-term introduction to fundamental chemical and biological concepts. Life Sciences 1a integrates chemistry with molecular and cellular biology.

Life and Physical Sciences

Primarily for Undergraduates

Life and Physical Sciences A. Foundational Chemistry and Biology

Catalog Number: 3956

Gregory C. Tucci and Tamara J. Brenner

Half course (fall term). M., W., F., at 9, and one hour of discussion section, a three-hour laboratory session, and one hour of review per week. EXAM GROUP: 2

This course introduces fundamental concepts in chemistry and biology. Topics in chemistry include stoichiometry, acids and bases, aqueous solutions, gases, thermochemistry, electrons in atoms, and chemical bonding. Topics in biology include the transfer of information from DNA to RNA to protein, genetic inheritance, mitosis and meiosis, and cell structure.

Note: Students should use their scores on the Chemistry and Biology Placement Tests to determine whether to enroll in Life and Physical Sciences A or Life Sciences 1a. This course assumes fluency with high school algebra. Students who have completed Life Sciences 1a, Physical Sciences 1, Chemistry 17 or Chemistry 20 may not take Life and Physical Sciences A for credit. This course, when taken for a letter grade, meets the General Education Requirement for Science of Living Systems or the Core area requirement for either Science A or Science B.

Life Sciences

Primarily for Undergraduates

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Robert A. Lue and Daniel E. Kahne

Half course (fall term). Tu., Th., 1-2:30, and three hours of laboratory/discussion weekly. EXAM GROUP: 15, 16



What are the fundamental features of living systems? What are the molecules imparting them and how do their chemical properties explain their biological roles? The answers form a basis for understanding the molecules of life, the cell, diseases, and medicines. In contrast with traditional presentations of relevant scientific disciplines in separate courses, we take an integrated approach, presenting chemistry, molecular biology, biochemistry, and cell biology framed within central problems such as the biology of HIV and cancer.

Note: This course, in combination with Life Sciences 1b, constitutes an integrated introduction to the Life Sciences. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems or the Core area requirement for Science A.

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Catalog Number: 2159

Daniel L. Hartl and Maryellen Ruvolo

Half course (spring term). Tu., Th., 10-11:30, and three hours of laboratory/discussion weekly.

EXAM GROUP: 12, 13

Why is there so much variation among individuals? Why are species so different? Biological variation reflects differences among genes and genomes: how genetic information is transmitted, how it functions, how it mutates from one form to another, how it interacts with the environment, and how it changes through time. These and related issues are examined in depth with special emphasis on complex traits whose expression is determined by a complex interplay between genes and environment.

Note: May not be taken for credit if Biological Sciences 50 has already been taken. This course, in combination with Life Sciences 1a, constitutes an integrated introduction to the Life Sciences. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems or the Core area requirement for Science B.

Life Sciences 2. Evolutionary Human Physiology and Anatomy

Catalog Number: 9007 Enrollment: Limited to 200.

George V. Lauder, Andrew A. Biewener, and Daniel E. Lieberman

Half course (fall term). M., W., F., at 1, and three hours of laboratory/discussion weekly. EXAM GROUP: 6

Why is the human body the way that it is? This course explores human anatomy and physiology from an integrated framework, combining functional, comparative, and evolutionary perspectives on how organisms work. Major topics, which follow a life-course framework, include embryogenesis, metabolism and energetics, growth and development, movement and locomotion, food and digestion, stress and disease, and reproduction. Also considered is the relevance of human biology to contemporary issues in human health and biology.

Note: This course replaces OEB 102. This course, when taken for a letter grade, meets the General Education requirement in Science of Living Systems or the Core area requirement for Science B.

[Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature]

Catalog Number: 2164

Douglas A. Melton and Michael J. Sandel



Half course (spring term). Hours to be arranged.

Explores the moral, political, and scientific implications of new developments in biotechnology. Does science give us the power to alter human nature? If so, how should we exercise this power? The course examines the science and ethics of stem cell research, human cloning, sex selection, genetic engineering, eugenics, genetic discrimination, and human-animal hybrids. Readings will be drawn from literature in the areas of biology, philosophy, and public policy.

Note: Expected to be given in 2010–11. May not be taken concurrently with Government 1093. May not be taken for credit if Government 1093 has already been taken. The course is open to both science and non-science concentrators. Moral Reasoning 22 is recommended as a background. Enrollment may be limited. This course, when taken for a letter grade, meets the General Education requirement in Ethical Reasoning or the Core area requirement for Moral Reasoning

Cross-listed Courses

[MCB 192. Principles of Drug Discovery and Development]

[Science of Living Systems 11. Molecules of Life](#)

[*Visual and Environmental Studies 54s. Animating Science - \(New Course\)](#)

For Undergraduates and Graduates

[*Life Sciences 100r \(formerly *MCB 100r\). Experimental Research in the Life Sciences](#)

Catalog Number: 2122 Enrollment: Limited to 30.

Alain Viel and members of the Committee

Half course (fall term; repeated spring term). Tu., 4–6. EXAM GROUP: 18

A laboratory course that immerses students in a dynamic project-based research environment. Participate in experimental projects directly linked with ongoing faculty research. Students select a project from the following research tracks: neurobiology, microbial sciences, cell biology, and synthetic biology. New projects, including some in other research fields, are offered every term. In a highly collaborative atmosphere, students form a fully-functional and diverse research group based on the sharing of ideas and progress reports between projects.

Note: Location of the first meeting will be announced on the course website. Open to freshmen, sophomores, juniors, and seniors, regardless of concentration, and suitable for students either with or without extensive laboratory experience. The course may only be repeated once and the second enrollment must be approved by the instructor.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a or permission of the instructor. Students interested in a neurobiology project will need MCB 80 or permission of the instructor.

[Life Sciences 110. A Microbial World](#)

Catalog Number: 5701

Roberto G. Kolter (Medical School) and Jon Clardy (Medical School)

Half course (spring term). Tu., Th., 10–11:30; Tu., 8:30–10; M., at 9. EXAM GROUP: 12, 13

This course will cover the broad spectrum of microbial sciences from biodiversity to the crucial impact of microorganisms on geological history, the environment, climate, and world health. The course will be taught by an academically diverse team of three Microbial Sciences Initiative (MSI) faculty at a rigorous and fast-paced level appropriate for upper-level undergraduates.



Topics include the origins and molecules of life, biogeochemical cycles, microbial diversity, and ecology.

Prerequisite: Ordinarily completion of Life and Physical Sciences A or Life Sciences 1a or higher, or Physical Sciences 1 or higher, or permission of the instructor.

For additional courses in the Life Sciences, see offerings in the following chapters:

Anthropology (Biological Anthropology)

Chemical and Physical Biology

Chemistry and Chemical Biology

Human Evolutionary Biology

Molecular and Cellular Biology

Neurobiology

Organismic and Evolutionary Biology

Psychology

Linguistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Linguistics

Gennaro Chierchia, Haas Foundations Professor of Linguistics (*Chair*) (*on leave fall term*)

Michael Becker, College Fellow in Linguistics

Geert Evert Booij, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders

Amy Rose Deal, Instructor [convertible] in Linguistics

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology

C.-T. James Huang, Professor of Linguistics (*Director of Graduate Studies*)

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*Acting Chair (fall term)*)

Andrew Nevins, Associate Professor of Linguistics (*on leave spring term*)



Maria Polinsky, Professor of Linguistics (*Head Tutor*)
Jeremy Rau, Associate Professor of Linguistics and of the Classics

Other Faculty Offering Instruction in the Department of Linguistics

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
Wesley M. Jacobsen, Professor of the Practice of the Japanese Language and Director of the Japanese Language Program
Susumu Kuno, Professor of Linguistics, Emeritus
Steven Pinker, Harvard College Professor, Johnstone Family Professor of Psychology (*on leave spring term*)
P. Oktor Skjaervo, Aga Khan Professor of Iranian

See also other course listings under the following departments of languages and literatures: Celtic, the Classics, East Asian, English, Germanic, Near Eastern, Romance, Sanskrit and Indian Studies, and Slavic; Social Analysis 34 (Core); and the linguistic offerings at MIT.

Primarily for Undergraduates

[Linguistics 83. Language, Structure, and Culture]

Catalog Number: 8319

Instructor to be determined

Half course (spring term). Hours to be arranged.

What do the world's almost 7,000 languages have in common? Why do they show recurrent commonalities and principled differences? What do they reveal about the human ability for speaking and thinking? How do languages develop? How do they die? This course addresses these and related questions while introducing the languages of the world; their distribution, recurrent structural properties, and genetic classification; processes of language contact; and the relationship between language and the brain.

Note: Expected to be given in 2010–11.

[Linguistics 88. Language and Cognition]

Catalog Number: 5126

Instructor to be determined

Half course (fall term). Hours to be arranged.

What does language tell us about the human brain? We will approach this question from various psycholinguistic and neurolinguistic perspectives: speech perception and perceptual illusions; language disorders; blind sight and split brain effects; brain imaging; neural networks and computer modeling of language. We will also touch on the problems of speech recognition and speech synthesis, focusing on the light that these topics shed on the nature of linguistic knowledge.

Note: Expected to be given in 2010–11.

***Linguistics 91r. Supervised Reading and Research**

Catalog Number: 1100

Maria Polinsky and Members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Independent study with a faculty member. For students who wish to pursue a particular linguistic topic not covered in other course offerings.

Note: Students should consult the Head Tutor about having this course count towards the concentration.

***Linguistics 97r. Group Tutorial — Sophomore Year**

Catalog Number: 1791

Maria Polinsky and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Intensive study in a selected linguistic area such as phonology, syntax, historical linguistics, phonetics, morphology, semantics, psycholinguistics, acquisition, sociolinguistics, creole studies, or computational linguistics. Meets as two six-week small-group tutorials, in the spring term.

Note: Required of concentrators.

***Linguistics 98a. Group Tutorial — Junior Year**

Catalog Number: 4222

Maria Polinsky and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Meets as two six-week small-group tutorials, both held in the fall term, each covering one of the areas of linguistics listed under Linguistics 97r.

Note: Required of concentrators.

***Linguistics 98b. Tutorial — Junior Year**

Catalog Number: 7273

Maria Polinsky and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual tutorial with a faculty member.

Note: Required of concentrators.

***Linguistics 99a (formerly *Linguistics 99). Tutorial — Senior Year**

Catalog Number: 3082

Maria Polinsky

Half course (fall term). M., 1–3.

Group tutorial led by the Head Tutor with the participation of students' thesis advisors for research and writing of the Linguistics honors thesis. Graded Satisfactory or Unsatisfactory. An honors student who expects not to complete the thesis should consult with the Head Tutor about completing other substantial work to receive credit for the course.

Note: Both Linguistics 99a and 99b are required of all senior honors concentrators. Students who wish to enroll must obtain the signature of the Head Tutor.

***Linguistics 99b. Tutorial - Senior Year**

Catalog Number: 2561

Maria Polinsky

Half course (spring term). Hours to be arranged.

Individual tutorial with a faculty member for research and writing of the Linguistics honors



thesis. Graded Satisfactory or Unsatisfactory. An honors student who expects not to complete the thesis should consult with the Head Tutor about completing other substantial work to receive credit for the course.

Note: Both Linguistics 99a and 99b are required of all senior honors concentrators. Students who wish to enroll must obtain the signature of the Head Tutor.

Cross-listed Courses

Empirical and Mathematical Reasoning 11. Making Sense: Language, Thought and Logic - (New Course)

For Undergraduates and Graduates

Linguistics 100. Second Language Acquisition - (New Course)

Catalog Number: 96999

Wesley M. Jacobsen

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An overview of second-language teaching and learning focused on theoretical models, learning objectives, developmental stages, materials design, and the use of new technology in teaching. The course explores the nature of second language acquisition, focused specifically on the needs of graduate students teaching a second language.

Linguistics 110. Introduction to Linguistics

Catalog Number: 1498

Members of the Department

Half course (spring term). M., W., at 10. EXAM GROUP: 3

An introduction to contemporary linguistic theory and methods of linguistic analysis: phonetic transcription, phonological, morphological, and syntactic analysis, and methods in comparative and historical linguistics. Some psycholinguistic aspects of language will also be examined. The discussion will draw on data from a wide variety of languages.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Linguistics 112a. Introduction to Syntactic Theory

Catalog Number: 7318

C.-T. James Huang

Half course (spring term). M., W., at 12. EXAM GROUP: 5

An introduction to syntactic theory, analysis and argumentation in the model of generative grammar. Discusses analyses and hypotheses of grammatical structure forming the foundation of current syntactic theory. Emphasis on constituent structure analysis, motivation for transformations, constraints on rule application and conditions on representations. Survey of syntactic phenomena, including argument structure, movement, and anaphora.

Linguistics 112b. Intermediate Syntax

Catalog Number: 4730

C.-T. James Huang



Half course (fall term). M., W., 11–1. EXAM GROUP: 4, 5

Continuation of 112a. Fundamental principles and parameters of Government and Binding Theory.

Prerequisite: Linguistics 112a.

Linguistics 114. Introduction to Morphology

Catalog Number: 1289

Members of the Department

Half course (spring term). W., at 11. EXAM GROUP: 4

An introduction to the analysis of word structure. Topics include the place of word formation in relation to phonological and syntactic phenomena, the nature of the lexicon, current theories of morphology, including Distributed Morphology. Consideration of morphological issues in psycholinguistics. Emphasis on the analysis of morphological phenomena in a wide range of typologically diverse languages.

Linguistics 115a. Introduction to Phonetics and Phonology

Catalog Number: 2791

Members of the Department

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Analysis of phonetic and phonological phenomena from a wide variety of languages. Topics include distinctive feature theory, underlying and surface representations, the abstractness of phonological representations, rules and their ordering, language acquisition and change. Training in phonetic transcription, spectrogram (“voiceprint”) reading, and hypothesis-testing in phonological analysis.

Linguistics 115b. Intermediate Phonology

Catalog Number: 1549

Members of the Department

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Focuses on enriched phonological representations and on representational constraints: syllabification, subsyllabic constituency, autosegmental phonology, the phonological skeleton and timing tier, feature geometry, underspecification, metrical stress, and prosodic morphology.

Prerequisite: Linguistics 115a.

[Linguistics 116a. Introduction to Semantics]

Catalog Number: 6115

Gennaro Chierchia

Half course (spring term). Hours to be arranged.

An introductory course on semantic interpretation in natural language. What does it mean to “know the meaning” of an utterance? This course provides the formal tools to characterize truth-conditional meanings of sentences. Topics covered include the relation between form and meaning, ambiguity, reference, the role of context dependency, quantifier scope, and variable-binding.

Note: Expected to be given in 2010–11.



[Linguistics 116b. Intermediate Semantics]

Catalog Number: 2118

Instructor to be determined

Half course (spring term). Hours to be arranged.

Continuation of 116a. Designed to enable students to follow current research in semantics.

Topics covered include: intensional contexts, indexicals, modalities, event based semantics, presuppositions, implicatures.

Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 116a, equivalent, or permission of instructor.

[Linguistics 117r. Linguistic Field Methods]

Catalog Number: 8401

Instructor to be determined

Half course (fall term). Hours to be arranged.

Instruction in the elicitation of phonological, morphological, and syntactic information from a native speaker of an unfamiliar language, with the object of developing a grammatical sketch of the language. Emphasis on methodology and problems of elicitation and grammatical description in the field. Participants work directly with the native speaker, both individually and as a group, with the assistance of the instructor.

Note: Expected to be given in 2010–11.

Linguistics 120. Introduction to Historical Linguistics

Catalog Number: 8486

Jeremy Rau

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Methods and goals of linguistic reconstruction. Topics include the regularity of sound change, types of linguistic change, the relationship between linguistic reconstruction and synchronic analysis, language contact and borrowing, and mechanisms of linguistic change, including recent theories.

[Linguistics 122. Introduction to Indo-European]

Catalog Number: 1336

Instructor to be determined

Half course (spring term). Hours to be arranged.

An introduction to the historical study of the Indo-European languages, using the comparative method to arrive at a picture of the parent language of the family, Proto-Indo-European.

Note: Expected to be given in 2010–11.

[Linguistics 123. Intermediate Indo-European]

Catalog Number: 6959

Jay Jasanoff

Half course (spring term). Hours to be arranged.

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

Note: Expected to be given in 2010–11.



[Linguistics 130. Psycholinguistics]

Catalog Number: 8966

Members of the Department

Half course (fall term). Hours to be arranged.

A survey of current research psycholinguistics for students in linguistics and related fields. Provides an overview of models of language comprehension and production from word to sentence level. Aims to expose students to models and methods used in the study of language acquisition, processing, disorders and brain imaging.

Note: Expected to be given in 2010–11.

[Linguistics 132. Psychosemantics]

Catalog Number: 6578

Instructor to be determined

Half course (spring term). Hours to be arranged.

Explores issues at the interface of linguistic semantics, pragmatics and psychology. Introduces how the analysis of meaning has been pursued by linguists and psychologists. Focuses on topics that are both of central interest to theoretical linguistics and the target of experimental research. These include sentence structure, sentential connectives, quantification, numbers, mass-count distinction, adjectives and comparison, scales and modalities.

Note: Expected to be given in 2010–11.

Prerequisite: A background in psychology or linguistics; some acquaintance with both helpful but not necessary.

[Linguistics 145. Logical Form]

Catalog Number: 5755

Members of the Department

Half course (spring term). Hours to be arranged.

How does the meaning of a sentence derive from the combination of the meanings of the words it contains? It is generally assumed that word meanings by themselves are not sufficient to account for sentence meanings, and that syntax plays an important role. We explore the hypothesis that there is an abstract level of syntax called Logical Form which, in combination with word meanings, determines a substantial part of the meanings of sentences.

Note: Expected to be given in 2010–11.

[Linguistics 146. Syntax and Processing]

Catalog Number: 0536

Maria Polinsky

Half course (spring term). Hours to be arranged.

Selected grammatical phenomena will be examined from a theoretical and experimental perspective, with a view toward answering questions like the following: What theoretical treatments are available? How do experimental studies distinguish among competing theoretical approaches? What kind of future experimental work is needed to resolve the outstanding issues?

Note: Expected to be given in 2010–11.

Linguistics 148. Language Universals

Catalog Number: 5455



Maria Polinsky

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Provides an introduction to the study of cross-linguistic variation and analyzes alternative approaches to language universals (functional explanations, processing explanations, explanations in terms of universal grammar). Topics to be studied include word order, case marking, agreement, lexical categories, subject-hood, and information structure. Sampling techniques and the use of hierarchies will also be covered.

Prerequisite: Linguistics 112a or permission of instructor.

[Linguistics 152. Prosody and Intonation]

Catalog Number: 9457

Instructor to be determined

Half course (fall term). Hours to be arranged.

Prosody and intonation are intricately linked to many domains of language use and linguistic structure. We examine the phonetic form of prosodic contours and intonational grouping, the function of prosody in expressing semantic and pragmatic information and in disambiguation during sentence production and comprehension, and the use of "implicit" prosody even in silent reading.

Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 110 or permission of instructor.

[Linguistics 158r. From Indo-European to Old Irish]

Catalog Number: 3801

Instructor to be determined

Half course (spring term). Hours to be arranged.

Essentials of Celtic historical and comparative grammar.

Note: Expected to be given in 2010–11.

Prerequisite: Some acquaintance with either Indo-European or Old Irish.

[Linguistics 162. Incomplete Acquisition]

Catalog Number: 0315

Instructor to be determined

Half course (fall term). Hours to be arranged.

This course analyzes the structure of incompletely acquired languages. Emphasis will be on incomplete acquirers (heritage speakers) whose acquisition was interrupted at an early age. Empirical data from several incompletely acquired languages (Russian, Polish, Czech, Lithuanian, Armenian, Korean, Vietnamese, and Tagalog) will be examined to show how incomplete acquisition leads to constraint-based grammars with systematic similarities. Other topics: testing and education of heritage speakers, comparison of heritage speakers with speakers of pidgin and creole languages.

Note: Expected to be given in 2010–11.

Linguistics 168. Introduction to Germanic Linguistics

Catalog Number: 7925

Jay Jasanoff

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12



An introduction to the comparative and historical linguistics of the Germanic family, with emphasis on Gothic and the early medieval languages.

Prerequisite: Elementary knowledge of German, or another Germanic language, or permission of instructor.

[Linguistics 171. Structure of Chinese]

Catalog Number: 4346

Instructor to be determined

Half course (fall term). Hours to be arranged.

Introduction to the syntactic structure of Mandarin Chinese: the basic structure of clauses and nominal constituents; words, compounds, and phrases; word order and variations; selected special topics (passives, resultatives, ba-construction, topic and relativized structures, questions, anaphora, pro drop); syntactic structure and semantic interpretation.

Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 112a in previous or current term or permission of instructor.

[Linguistics 173. Linguistic Issues in the Teaching of Japanese]

Catalog Number: 4208

Instructor to be determined

Half course (spring term). Hours to be arranged.

An examination of selected phenomena in Japanese phonology, morphology, and syntax with special attention to difficulties encountered in the acquisition of Japanese by adult native English speakers.

Note: Expected to be given in 2010–11.

Prerequisite: Japanese 120b or its equivalent. Familiarity with basic linguistics concepts desirable.

[Linguistics 174. Tense and Aspect in Japanese]

Catalog Number: 1856

Instructor to be determined

Half course (spring term). Hours to be arranged.

Examination of phenomena of tense and aspect in Japanese, with special attention to verbal semantics and the interaction of temporal categories with modality and transitivity.

Note: Expected to be given in 2010–11.

Prerequisite: Knowledge of Japanese equivalent to Japanese 120b, or familiarity with the linguistic structure of a non-Indo-European language, or permission of instructor.

[Linguistics 175. Structure of Japanese]

Catalog Number: 4029

Instructor to be determined

Half course (spring term). Hours to be arranged.

Introduction to the syntactic structure of Modern Japanese: the structure of clauses and noun phrases and other constituents; selected special topics such as word order and scrambling, relative clauses and other sentence modifiers, passives and causatives, case marking, etc., as they pertain to linguistic theory.



Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 112a in previous or current term or permission of instructor.

Linguistics 176. History and Prehistory of the Japanese Language

Catalog Number: 4861

Wesley M. Jacobsen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An examination of evidence from the comparative method, internal reconstruction, and written documents for reconstructing prehistoric stages of the Japanese language and an overview of major developments in Japanese phonology and grammar from the Nara period through the present day.

Prerequisite: Knowledge of Japanese equivalent to Japanese 120b, or familiarity with historical linguistics, or permission of the instructor.

Linguistics 185. Austronesian - (New Course)

Catalog Number: 99421

Maria Polinsky

Half course (fall term). W., 10-12. EXAM GROUP: 3, 4

This course is an in-depth investigation into comparative Austronesian syntax. The Austronesian language family -- roughly 1,200 genetically-related languages dispersed over an area encompassing Madagascar, Taiwan, Southeast Asia, and islands of the Pacific -- exhibits several unusual properties: verb-first word order, ergativity, wh-agreement, articulated voice systems, and cleft structures. The course examines these phenomena from the perspective of comparative Austronesian syntax.

[Linguistics 188r. Biolinguistics]

Catalog Number: 2750

Instructor to be determined

Half course (spring term). Hours to be arranged.

The class is meant as an exploration of the biology of language. Specifically, it investigates the nature of human language and its importance for the study of the mind and the brain. We will discuss current research into the development of language which tries to make sense of the underlying universality of our language faculty as well as the diversity found in individual languages. We will discuss issues of language design (as a biological system) and language evolution.

Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 88 or permission of instructor.

Cross-listed Courses

[Celtic 160r. Advanced Modern Irish]

[Celtic 161r. Continuing Advanced Modern Irish]

Primarily for Graduates



Linguistics 200. Second Language Acquisition

Catalog Number: 6098

Wesley M. Jacobsen

Half course (fall term). M., 3-5. EXAM GROUP: 8, 9

An overview of second-language teaching and learning focused on theoretical models, learning objectives, developmental stages, materials design, and the use of new technology in teaching. The course explores the nature of second language acquisition, focused specifically on the needs of graduate students teaching a second language.

Linguistics 202r (formerly Linguistics 202). Advanced Syntax

Catalog Number: 8175

Members of the Department.

Half course (spring term). M., 3-5. EXAM GROUP: 8, 9

The third course in the syntax sequence, focusing on major issues in current syntactic theory. Topics include head movement, case and agreement, anaphora, constraints on movement and derivations.

Prerequisite: Linguistics 112b or permission of instructor.

Linguistics 204r. Topics in Syntax

Catalog Number: 6446

C.-T. James Huang

Half course (fall term). Tu., 11-1. EXAM GROUP: 13, 14

Examination of current issues in syntactic theory with focus on topics of interest to the class.

Linguistics 205r. The Syntax-Semantics Interface

Catalog Number: 0776

Amy Rose Deal

Half course (fall term). Hours to be arranged. EXAM GROUP: 15, 16

An exploration of issues related to the architecture of the grammar, with emphasis on the structures that are interpreted at the semantic interface, and how they are derived.

[Linguistics 206r. Syntactic Structure and Argument Structure]

Catalog Number: 9020

Instructor to be determined

Half course (fall term). Hours to be arranged.

What is the relationship between a predicate's semantic content and its syntactic realization?

What is the relationship between a predicate's event structure and its argument structure? Does a predicate's semantics determine the syntactic frames it occurs in, or might it be the other way around?

Note: Expected to be given in 2010-11.

Linguistics 207r. Topics in Semantics

Catalog Number: 8812

Gennaro Chierchia

Half course (spring term). W., 1-3. EXAM GROUP: 6, 7



Current issues in semantics. Topics for this year include: scope and anaphoric properties of indefinites, quantificational variability and generic uses, and long distance indefinites.

[Linguistics 214. Advanced Morphology]

Catalog Number: 7639

Instructor to be determined

Half course (spring term). Hours to be arranged.

An examination of selected topics in morphology. Topics this year will include reduplication, cliticization, and affix ordering. Students will consult with instructor on possible research topics.

Note: Expected to be given in 2010–11.

Linguistics 219r. Advanced Phonology

Catalog Number: 2151

Members of the Department

Half course (spring term). Th., 3–5.

An examination of why phonological phenomena exist at all, and the nature of phonological computation. Primarily exemplification from harmony, reduplication, and meter. Design conditions imposed by economy, perception, articulation, the learning path, and the lexicon.

Prerequisite: Linguistics 114 or permission of instructor.

Linguistics 220ar. Advanced Indo-European

Catalog Number: 3428

Jeremy Rau

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topics in Indo-European comparative grammar. Conducted as a seminar.

Linguistics 221r. Workshop in Indo-European

Catalog Number: 1008

Jay Jasanoff

Half course (spring term). Tu., 11–1.

The topic for the year will be arranged in consultation with interested students. Conducted as a seminar.

Linguistics 224. Historical and Comparative Linguistics

Catalog Number: 2967

Jay Jasanoff

Half course (spring term). Hours to be arranged.

An introduction to diachronic linguistics at the graduate level. Theory of language change: sound change and analogy, syntactic and semantic change, change in progress. The comparative method: proving genetic relationship, reconstruction, and subgrouping.

[Linguistics 225a. Introduction to Hittite]

Catalog Number: 8206

Instructor to be determined

Half course (spring term). Hours to be arranged.

Grammar and reading of texts in cuneiform and in transliteration; essentials of the comparative



grammar of the Indo-European languages of Anatolia.

Note: Expected to be given in 2010–11.

[Linguistics 226r. Advanced Hittite]

Catalog Number: 0858

Instructor to be determined

Half course (fall term). Hours to be arranged.

Grammar and text readings in Cuneiform and Hieroglyphic Luvian.

Note: Expected to be given in 2010–11. Provisions will be made for any student who wishes to begin Hittite this term.

Linguistics 241r. Practicum in Linguistics

Catalog Number: 4260

C.-T. James Huang and members of the Department

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Presentation of reports on current research or assigned topics.

Note: Required of second- and third-year Linguistics graduate students.

Linguistics 247. Topics in Germanic Linguistics

Catalog Number: 3693

Members of the Department

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Investigation of selected topics in Germanic historical linguistics.

Linguistics 250. Old Church Slavonic

Catalog Number: 8449

Michael S. Flier

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

History of the first Slavic literary language, its role in Slavic civilization; phonology, morphology, syntax, and vocabulary of Old Church Slavonic; reading from canonical texts.

[Linguistics 251. Advanced Readings in Church Slavonic Texts]

Catalog Number: 7038

Instructor to be determined

Half course (spring term). Hours to be arranged.

Readings in canonical Old Church Slavonic texts and later Church Slavonic redactions.

Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 250.

[Linguistics 252. Comparative Slavic Linguistics]

Catalog Number: 7659

Instructor to be determined

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to the historical phonology and morphology of the Slavic languages with special attention to relative chronology and linguistic geography.



Note: Expected to be given in 2010–11.

Prerequisite: Linguistics 250

Linguistics 290. Heritage Languages and Their Speakers (Graduate Seminar in General Education) - (New Course)

Catalog Number: 58133

Maria Polinsky

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course will present and analyze theoretical and experimental aspects of heritage language study. A heritage language is a minority language that an individual was exposed to in childhood but never learned to full competence because of the switch to another language. The course will identify critical linguistic generalizations applying to heritage languages. We will test the universal principles of language structure that are expected to stay unchanged in any language. The students will also learn crucial methodologies and tools for investigating heritage languages and their speakers in an experimental setting. Class discussions will reflect the current social and political discourse surrounding heritage populations. The work done in this class will lead to the development of experimental methodologies and tools for studying and testing heritage languages in the classroom.

[Linguistics 291r. Functional Approach to Syntax]

Catalog Number: 5046

Instructor to be determined

Half course (spring term). Hours to be arranged.

Discourse-oriented analysis of syntax based on the functional sentence perspective (theme and rheme) and on the “point of view” perspective (the speaker’s attitude toward participants in an event). Examines pronominalization, reflexivization, and various deletion and movement processes.

Note: Expected to be given in 2010–11.

Cross-listed Courses

Celtic 200. Introduction to Old Irish

Celtic 201. Continuing Old Irish

[Celtic 225a. Introduction to Middle Welsh]

[Celtic 225b. Continuing Middle Welsh]

Graduate Courses of Reading and Research

***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Alfonso Caramazza 1871, Gennaro Chierchia 5355 (on leave fall term), Michael S. Flier 2878, C.-T. James Huang 4066, Wesley M. Jacobsen 3443, Jay Jasanoff 1661, Andrew Nevins 5145 (on leave spring term), Steven Pinker 4733 (on leave spring term), Maria Polinsky 5601, Jeremy Rau 4657, and P. Oktor Skjaervo 2869.



***Linguistics 301. Reading or Special Topics Course**

Catalog Number: 0861

Members of the Department and others listed under Linguistics 300.

Literature and Comparative Literature

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Literature and Comparative Literature

David Damrosch, Professor of Comparative Literature (*Chair*)

Daniel Albright, Ernest Bernbaum Professor of Literature

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of
Portugal and Professor of Comparative Literature

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and
Literatures

Jacob M. Emery, Lecturer on Literature

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative
Literature

Rita B. Goldberg, Lecturer on Literature

John T. Hamilton, Professor of Comparative Literature (*Director of Graduate Studies*)

Christopher D. Johnson, Associate Professor of Literature and Comparative Literature (*on leave
fall term*)

Sally Livingston, Lecturer on History and Literature

Christie McDonald, Smith Professor of French Language and Literature and of Comparative
Literature

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of
Undergraduate Studies*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of
Comparative Literature

Stephen Owen, James Bryant Conant University Professor

Julie Peters, Byron and Anita Wien Professor of Drama and of English and Comparative
Literature

Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature (*on
leave fall term*)

Frøde Saugestad, Lecturer on Literature and Comparative Literature (*spring term only*)



Jeffrey Schnapp, Visiting Professor of Comparative Literature
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies
 Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities
 Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2009-10*)
 Nirvana Tanoukhi, Lecturer on Literature and Comparative Literature (*spring term only*)
 Karen Thornber, Assistant Professor of Comparative Literature (*on leave 2009-10*)
 William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature (*on leave 2009-10*)
 Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative Literature

Committee on Literature

Daniel Albright, Ernest Bernbaum Professor of Literature
 Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature
 Julie A. Buckler, Professor of Slavic Languages and Literatures
 Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures
 David Damrosch, Professor of Comparative Literature
 Jacob M. Emery, Lecturer on Literature
 James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
 Marjorie Garber, William R. Kenan, Jr. Professor of English and of Visual and Environmental Studies
 Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature
 Rita B. Goldberg, Lecturer on Literature
 John T. Hamilton, Professor of Comparative Literature
 Christopher D. Johnson, Associate Professor of Literature and Comparative Literature (*on leave fall term*)
 Sally Livingston, Lecturer on History and Literature
 Christie McDonald, Smith Professor of French Language and Literature and of Comparative Literature
 Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature
 Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature
 Stephen Owen, James Bryant Conant University Professor
 Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature (*on leave fall term*)
 Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English
 Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies



Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2009-10*)
Karen Thornber, Assistant Professor of Comparative Literature (*on leave 2009-10*)
William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature (*on leave 2009-10*)
Justin Weir, Professor of Slavic Languages and Literatures

Other Faculty Offering Instruction in the Department of Literature and Comparative Literature

Giuliana Bruno, Professor of Visual and Environmental Studies
George G. Grabowicz, Dmytro Čyževs'kyj Professor of Ukrainian Literature
William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment (*on leave spring term*)

Primarily for Undergraduates

Literature 12. Introduction to Literary Studies

Catalog Number: 3548 Enrollment: Limited to 20.

Jacob M. Emery

Half course (fall term). Tu., 3–5.

An introduction to the basic issues of literary culture. How do works demand different modes of reading and interpretation? What is the relationship between thought, language, and writing? How can we relate texts to the cultural and economic contexts in which they are read? The course engages these and related questions through a wide range of literary and theoretical readings. Authors include Plato, Shakespeare, Milton, Marx, Tolstoy, James, Kafka, Nabokov, and Barthes.

***Literature 91r. Supervised Reading and Research**

Catalog Number: 1074

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

A graded, supervised course of reading and research to be conducted by a person approved by the Committee.

Note: Permission of Director of Studies required.

***Literature 97. Tutorial — Sophomore Year**

Catalog Number: 4595

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Successful completion of Literature 97 is required of all concentrators in their sophomore year.

***Literature 98a. Tutorial — Junior Year**

Catalog Number: 3119

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term). Hours to be arranged.



Successful completion of one term of Literature 98a is required of all concentrators in their junior year.

***Literature 98b. Tutorial — Junior Year**

Catalog Number: 1528

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Successful completion of one term of Literature 98b is required of all concentrators in their junior year.

***Literature 99a. Tutorial — Senior Year**

Catalog Number: 4857

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (fall term). Hours to be arranged.

Successful completion of one term of Literature 99a is required of all concentrators in their senior year.

***Literature 99b. Tutorial — Senior Year**

Catalog Number: 1290

Sandra Naddaff and members of the Committee and Tutorial Board

Half course (spring term). Hours to be arranged.

Successful completion of one term of Literature 99b is required of all concentrators in their senior year.

For Undergraduates and Graduates

[Literature 102. On Narrative]

Catalog Number: 3136

Sandra Naddaff

Half course (fall term). Hours to be arranged.

An examination and analysis of narrative techniques and strategies in a variety of texts ranging from simple to complex narrative forms. Texts from different narrative contexts and cultures will be considered and will include the *1001 Nights*, *The Odyssey*, *Frankenstein*, *Madame Bovary*, *The Sound and The Fury*, and *Season of Migration to the North*. Will also consider theoretical works by Chatman, Genette, Bakhtin, Brooks, and others.

Note: Expected to be given in 2010–11.

***Literature 104. On Theory**

Catalog Number: 8760 Enrollment: Limited to 20.

Verena A. Conley

Half course (fall term). W., 1–3.

What is theory? What is the difference between literary, critical and cultural theory? What is the relation between theory and reading? This course introduces students to various concepts of theory (Derrida, Deleuze, Foucault, Balibar, Adorno, Benjamin, Freud, Saussure, Cixous, Kristeva, Butler and others). Focuses on theoretical texts and will bring in literary texts where necessary.



[*Literature 106. On Lyric]

Catalog Number: 6351 Enrollment: Limited to 20.

Christopher D. Johnson

Half course (spring term). Hours to be arranged.

Explores the history of Western lyric poetry and how lyric has given voice to the recurrent themes of love, death, and subjectivity. Poetic techniques and forms will be examined, as will the roles that lyric has played as a vehicle for intellectual and cultural values. Poets to be read include Sappho, Catullus, Ovid, Bertran de Born, Dante, Petrarch, Donne, Quevedo, Sponde, Goethe, Labé, Blake, Dickinson, Baudelaire, Hölderlin, Rimbaud, Celan, Pound, Akhmatova, and Carson.

Note: Expected to be given in 2010–11.

Literature 108. On the Essay - (New Course)

Catalog Number: 28173

Christopher D. Johnson

Half course (spring term). W., 1–3.

This course examines the aesthetics, motives, and history of the literary essay. Attention will be given to the essay's forms (and formlessness), styles, subjectivities, receptions, and some of its characteristic content. Exemplary essayists to be studied include: Montaigne, Bacon, Johnson, Voltaire, the Schlegels, De Quincy, Beaudelaire, Woolf, Turgenev, Lu Hsun, Emerson, Thoreau, Benjamin, Borges, Mencken, Baldwin, Davenport, Sontag, Suleri, Berry, Eco, Dillard, and Foster Wallace.

[*Literature 109. On Translation]

Catalog Number: 0594 Enrollment: Limited to 20.

Sandra Naddaff

Half course (fall term). Hours to be arranged.

Examines theories of translation from various periods (Dryden, Schopenhauer, Schleiermacher, Benjamin, de Man, among others). Also looks closely at specific translated texts (e.g., various English translations of *The Thousand and One Nights*), and considers such topics as the notion of “unequal languages,” the problem of cultural translation, translation post-9/11, and the possibility of untranslatability. Final project involves an original translation and commentary.

Note: Expected to be given in 2010–11. Preference given to Literature concentrators.

Prerequisite: Reading knowledge of one foreign language.

[Literature 113 (formerly Humanities 16). Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond]

Catalog Number: 3016

Verena A. Conley

Half course (spring term). Hours to be arranged.

This course examines problems of existence in relation to self and other in the world from the early Christian era to our days. It shows how *existence* preoccupies major writers who have approached its implications (and the dilemmas it inspires) in different ways. At stake are the redemptive powers of religion, thoughts about the death of God, the limits of atheism, and philosophies of becoming.



Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[Literature 115. Literature and the Environment]

Catalog Number: 3677

Karen Thornber

Half course (fall term). Hours to be arranged.

Examines how literature from Africa, the Americas, Asia, and Europe has addressed environmental concerns and crises. Focuses on literary works that explore the uneasy relationship between human desire and the survival of the non-human world. Introduces concepts of ecocriticism, ecofeminism, ecology, environmental criticism and environmental justice. Critical readings by Adamson, Bhabha, Buell, Conley, Dimock, Foucault, Glotfelty, Said, Stein, Snyder, Williams, and others.

Note: Expected to be given in 2011–12.

[*Literature 116. Literature and Science]

Catalog Number: 6289 Enrollment: Limited to 20.

Christopher D. Johnson

Half course (fall term). Hours to be arranged.

Explores how literature in different historical periods represents and reshapes the ideas, methods, and language of science. Compares the ways reason and the imagination function in literature and science. Considers how literature rethinks the cultural and historical significance of the scientific enterprise. Primary texts include Lucretius, Donne, Copernicus, Kepler, Cavendish, Fontenelle, Shelley, Goethe, Darwin, Calvino and Gibson.

Note: Expected to be given in 2010–11.

[Literature 117. Literature, Gender, and Revolution]

Catalog Number: 3626

Karen Thornber

Half course (spring term). Hours to be arranged.

Explores relationships among literature, gender, and revolution in China, Cuba, Iran, Japan, Korea, and Russia from the late 19th century to the present. Readings by Butler, Chukovskaya, Danishvar, de Beauvoir, Foucault, Mikiso Hane, Kim Ilyop, Loynaz, Marruz, Pleck, Qiu Jin, Scott, Tamura Toshiko among others.

Note: Expected to be given in 2011–12.

***Literature 119. On Comparative Arts**

Catalog Number: 0078 Enrollment: Limited to 18.

Marc Shell and Daniel Albright

Half course (fall term). M., 2–4.

Is there one Art, or are there many arts? We will consider affinity and difference among literature, painting, music, and other arts. Student projects will investigate works of art that submit to or reject a particular material medium. Theory from Plato (Ion), Aristotle, Lessing, Burke, Diderot, Rousseau, Hegel, Pater, Greenberg, Heidegger; examples from Homer, Leonardo, Turner, Monet, Rossetti, Wagner, Richard Strauss, Apollinaire, Schoenberg--and others.



***Literature 121. 1001 Nights: Adaptations, Transformations and Translations**

Catalog Number: 5879 Enrollment: Limited to 15.

Sandra Naddaff

Half course (fall term). Tu., 1–3.

Examines how the *1001 Nights* is transformed and adapted for different media and genres. Focuses on a variety of films, (e.g., *The Thief of Baghdad*, *Chu Chin Chow*, *Aladdin*), illustrations/images (eg., Doré, Chagall, Matisse), musical and balletic renditions (e.g., Rimsky-Korsakov, Fokine), translations (e.g., Galland, Lane, Burton, Haddawy), and re-tellings of stories (e.g., Poe, Barth, Mahfouz, Sebbar, Zimmerman). Also considers the role of the *1001 Nights* in contemporary popular culture.

[Literature 125. The Desire for Narrative: Across Cultures, Forms and Media] - (New Course)

Catalog Number: 70867

Biodun Jeyifo

Half course (fall term). Hours to be arranged.

An exploration of the cultural roots of the powerful human desire both to tell and be told stories, in full and not in fragments. We will range across diverse societies and cultural forms and media like fiction, drama, film, television and oral performances.

Note: Expected to be given in 2010–11.

Literature 127. Futurisms - (New Course)

Catalog Number: 39657

Jeffrey Schnapp

Half course (fall term). M., 4–6.

From its foundation in 1909 through WWII, futurism developed into the first international cultural-political avant garde. Its aim was the revolutionary transformation of all spheres of life, and its influence extended from Europe to the Americas to Asia. Topics include machines and culture; poetics and war; futurism's ties to bolshevism and fascism. Media: poetry, performance, music, painting, photography, radio, and film. Writers: Marinetti and Mayakovsky. Visual artists: Boccioni, Bragaglia, Russolo, Malevich, and El Lissitzky.

[Literature 129. Reading the 18th Century Through 21st-Century Eyes]

Catalog Number: 8742

Christie McDonald

Half course (fall term). Hours to be arranged.

Why read texts from the French Enlightenment today and how? Analysis of works from the 18th century juxtaposed with novels, plays, media events, and films of the 20th-21st centuries that explore debates in literature and philosophy about cultural differences, universality, and the search for belief and confidence in a society undergoing dramatic change. Readings include Beaumarchais, Beauvoir, Derrida, Diderot, Foucault, Franklin, Graffigny, Kant, Kundera, Laclos, Lyotard, Rousseau, Obama, Potocki, Voltaire.

Note: Expected to be given in 2011–12.

Literature 137. Postcolonial Bildungsroman - (New Course)

Catalog Number: 90847



Nirvana Tanoukhi

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Coming-of-age narratives from the non-Western world are analyzed to understand how postcolonial writers and heroes conceived the tension between modernity and tradition, freedom and responsibility, conformity and adventure. The literary genre of the bildungsroman, which centers on the young hero's early development, is explored through the lens of postcolonialism. Salient themes of postcolonial literature are introduced including: cultural imperialism, economic development, religious and Western pedagogy, cultural conflict, identity crisis.

Literature 143. The Novel of the Periphery - (New Course)

Catalog Number: 13271

Frode Saugestad

Half course (spring term). W., 4–6.

This seminar examines the role of "the literary periphery" in world literature. The selected novels represent a wide geographical, aesthetic, cultural and ideological span, and the common denominator is that all the novels are from and about the literary periphery of the world. Reading these novels will not only help us understand local cultures and societies, but also highlight similarities across national, regional and global cultures and languages, thereby underlining the universal language of the novel.

[*Literature 146 (formerly *Literature 124). Space and Place in Postmodern Culture]

Catalog Number: 8228 Enrollment: Limited to 20.

Verena A. Conley

Half course (spring term). Hours to be arranged.

Focuses on renewed awareness of space in contemporary theory, literature and film. Examines notions of space and place under the impact of consumerism and electronic technologies in a global world. Texts and films include Lefebvre, Godard, de Certeau, Wenders, Baudrillard, Perec, Tati, Augé, Deleuze and Guattari, Virilio and Verhoeven.

Note: Expected to be given in 2010–11.

Literature 150. Colonial and Post-Colonial Spaces: France-North Africa

Catalog Number: 89597

Verena A. Conley

Half course (spring term). Th., 1–3.

Focuses on transformations of colonial and postcolonial spaces in North Africa that include Morocco, Tunisia, and especially, Algeria by way of literature, film and theory. Readings include Albert Memmi, Kateb Yacine, Mohammed Dib, Driss Chraïbi, Albert Camus, Frantz Fanon, Assia Djebar, Malika Mokkedem, Amara Lakhour, Amin Maalouf, Helene Cixous, Nina Bouraoui. Further readings by Deleuze and Guattari, Jacques Derrida, Edward Said and others. Special attention is given to problems of language, subjectivity, identity and citizenship, nation and community.

Literature 153 (formerly Comparative Literature 153). Saul Bellow and the New York Intellectuals

Catalog Number: 2506

Ruth R. Wisse



Half course (fall term). Th., 1-3, and a weekly section to be arranged.

Studies Bellow's major works in the context of the intellectual and literary community that constituted America's first European style "intelligentsia." Considers work of Isaac Rosenfeld, Delmore Schwartz, Lionel Trilling, Irving Howe, writers of *Partisan Review* and *Commentary*.

Note: Class is conducted in a modified seminar format.

Literature 154. Music, Literature, and the Voice - (New Course)

Catalog Number: 65838

John T. Hamilton

Half course (fall term). W., 3-5.

A comparative examination of select works of French and German literature that deal with music and the problem of the voice. Topics: verbal and musical form; musical meaning; reading and listening; music and psychoanalysis; evanescence and silence. Readings in : Diderot, Kleist, Hoffmann, Eichendorff, Balzac, Mallarmé, Thomas Mann, Bernhard, Lacan, and Quignard.

Note: Texts may be read in English translation.

[Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages]

Catalog Number: 9245

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

It has been argued that the poetic "I" in premodern literatures is not a vehicle for self-representation, but an archetype of the human. The course will examine this thesis against the rise of autobiographical writing in medieval and early modern Europe. Readings include spiritual autobiographies (Augustine, Kempe, Teresa of Ávila), letter collections, *maqama* literature, troubadour lyric, Hispano-Jewish poetry, pilgrimage narratives, medieval allegories, Dante and the picaresque novel. Theoretical perspectives by Spitzer, Lejeune, Zumthor and DeCerteau.

Note: Expected to be given in 2010-11. All readings in English translation. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts C.

Literature 160 (formerly Comparative Literature 160). Literary Forgeries and Mystifications

Catalog Number: 3614

George G. Grabowicz

Half course (spring term). M., 2-4.

Examines literary forgeries and mystifications from the late 18th century to the present, focusing on their poetics, their ideological motivation and their role in modern political mythmaking (some texts considered: Ossian, The Igor Tale, the Czech manuscripts, the Protocols of the Elders of Zion, Ern Malley). Also considers the psychology and esthetics of simulation and mystification as reflected in the works of Gide, Borges, Nabokov, Pavic, Eco, and Calvino.

Note: All readings in English.

[Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

Catalog Number: 7426

Gregory Nagy



Half course (fall term). Hours to be arranged.

Genres, forms, and themes of oral traditions in poetry and prose. Theories of performance and composition. Comparative metrical and formulaic analysis.

Note: Expected to be given in 2010–11. Knowledge of Greek not required.

Literature 163. Jewish Languages and Literature

Catalog Number: 8627

Marc Shell and Members of the Faculty

Half course (spring term). Tu., 1-3, plus an additional hour to be arranged.

What is a Jewish language? What is Jewish literature? General topics are alphabetization, translation, oral tradition and diaspora. Languages worldwide include Hebrew as well as Judeo-Spanish, -Aramaic, -Arabic, -French, -Greek, -Italian, -Persian, -Spanish, -Malayalam, Yiddish, and other secular Jewish languages. Readings usually include love stories, medical and philosophic texts, and writings on science, travel, and music. Guest scholars visit most weeks. No language requirement.

Note: Language credit can be arranged.

[Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]

Catalog Number: 7762

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Psychological, mythic, “catastrophist,” and comic tendencies in the Eastern and Central European novel between the two World Wars (1918–1939). Focus on Kafka, Capek, Bulgakov, Schulz, Witkiewicz, Gombrowicz, and Nabokov.

Note: Expected to be given in 2010–11. All texts can be read in English translation.

[Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture]

Catalog Number: 3418

Ruth R. Wisse

Half course (fall term). Hours to be arranged.

Jews are probably best known in America today for their roles in the Holocaust and in Humor. What, if anything, is the relation between these spheres? Does Jewish humor make fun of the Jews, or does it make fun of those who make fun of the Jews? Studies some of the theories and uses of Jewish humor, some of its leading practitioners and outstanding works. Invites comparison with other comic traditions and investigation of “national” humor.

Note: Expected to be given in 2010–11. Readers of Yiddish may take this course as Yiddish 200. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[Literature 167 (formerly Comparative Literature 167). Contemporary Fiction: The Novel After Theory]

Catalog Number: 1808

Judith Ryan

Half course (spring term). Hours to be arranged.



Examines a series of novels from 1980 to the present that build consciously on recent literary and cultural theory. Also explores the relation of fictional narrative to history, social problems, and ideology. Authors treated include: Don DeLillo, Marguerite Duras, John Irving, David Malouf, Christoph Ransmayr, Patrick Süskind, Graham Swift, and Christa Wolf. Theorists include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.
Note: Expected to be given in 2010–11.

Literature 174. Realism, Fantasy, and the Grotesque: Hoffmann and Balzac - (New Course)

Catalog Number: 14316

John T. Hamilton

Half course (spring term). W., 3–5.

A close reading of select works by E.T.A. Hoffmann and his reception in the work of Balzac focuses on Realism's indebtedness to the imaginative realms of the fantastic and the grotesque. Topics: music and inspiration; societal decadence and caricature; magic and the uncanny; experience, observation and expression.

Note: Texts may be read in English translation.

[Literature 178 (formerly Slavic 178). Trauma: Representation, Theory, Experience: Conference Course]

Catalog Number: 9125

Joanna Nizynska

Half course (spring term). Hours to be arranged.

How do literature and film convey traumatic experiences and how does trauma challenge representation? What constitutes post-traumatic syndrome in the life of the individual and society? How does it affect the formation of personal and collective memory? Using texts and films by Agamben, Borowski, Caruth, Freud, LaCapra, Polanski and Kieslowski, we will consider historical traumas (e.g., the Holocaust) and individual trauma, the transposition of traumatic memory/experiences into narratives, and the trans-generational transmission of the traumatic.

Note: Expected to be given in 2010–11. All readings in English translation. All films subtitled.

Literature 184. Imagining the City: Literature, Film, and the Arts

Catalog Number: 2332

Giuliana Bruno and Svetlana Boym

Half course (fall term). Th., 11:30-1, and a weekly film screening W., 7-9pm, and weekly sections to be arranged. EXAM GROUP: 13, 14

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination in different artforms: architecture, cinema, literature, photography, and painting. Topics to be mapped out include: cities and modernity, metrophilia and metrophobia, the museum and cultural archaeology, the ruin and the construction site, interior space and public sphere, technology and virtual cities. We will focus on the European city, as we travel through Paris, Berlin, St. Petersburg, Moscow, Naples, and Rome

Note: Cannot be taken for credit if VES 184 had been taken. Cannot be taken concurrently with VES 184. Offered jointly with the Graduate School of Design as 4353. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.



***Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar**

Catalog Number: 7999

Gregory Nagy

Half course (spring term). M., 1–3.

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Knowledge of Greek not required.

Cross-listed Courses for Undergraduates

Aesthetic and Interpretive Understanding 18 (formerly Literature 10). Writing Across Cultures: Literatures of the World (to 1750)

Aesthetic and Interpretive Understanding 19 (formerly Literature 11). Writing Across Cultures: Literatures of the World (from 1750 to the present)

African and African American Studies 137. Literature and Its Cultural 'Others' - America, Africa and the Caribbean, 1950s-80s

Arabic 158. Modern Arabic Literature Seminar: Lebanese Civil War in Fiction

English 188. Transnational Fiction - (New Course)

English 191. Asia-Pacific Conversations - (New Course)

***English 267. Wordsworth and Coleridge: Graduate Seminar - (New Course)**

Ethical Reasoning 12. Political Justice and Political Trials

[French 132b. 20th-Century French Fiction II: The Experimental Mode]

French 139b. The 18th Century: Ethical Dilemmas

French 167. Parisian Cityscapes

[French 170. The City]

***History and Literature 90x. Medieval Margins - (New Course)**

Jewish Studies 105. Modern Yiddish Poetry - (New Course)

Jewish Studies 109 (formerly Yiddish 109). The Yiddish Novel Under Tsars and Stripes

[Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature]

Modern Greek 146. The Greek Novel - (New Course)

Music 194r. Special Topics: Proseminar

[Slavic 192. Literature as Institutions: Conference Course]

[Spanish 110. Hispanic Literature: The Middle Ages]

Primarily for Graduates

[Comparative Literature 210. The Politics of Writing: From Historical Novel to Historiographic Metafiction]

Catalog Number: 2682

Panagiotis Roilos

Half course (fall term). Hours to be arranged.

Explores literariness in historiographic discourses and historical memory in fiction. Theoretical and literary examples will be drawn from a variety of periods and cultures, from late Greek antiquity to American and Western European postmodernism.

Note: Expected to be given in 2010–11.



[*Comparative Literature 211. Mysticism and Literature: Seminar]

Catalog Number: 3867

Luis M. Girón Negrón

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Trends and debates in the comparative study of mystical literature. Primary works by Jewish, Christian, and Muslim authors from the Middle Ages through the 16th century. Also modern authors (Borges, Eliot, Goytisolo) and literary theorists (DeCerteau).

Note: Expected to be given in 2010–11. Students admitted by permission of course head. Offered jointly with the Divinity School as 3802.

[Comparative Literature 230. The Poetics of Empire: Colonization, Translation, and Literary Rewriting]

Catalog Number: 0694

Karen Thornber

Half course (fall term). Hours to be arranged.

Explores how colonial, semicolonial, and postcolonial writers from Africa, the Caribbean, Central and Eastern Europe, East Asia, India, the Middle East, and Southeast Asia have reconfigured literature from American, European, and Japanese (former) metropolises via translations and intertextual recreations. Also addresses metropolitan engagement with literature from (former) colonies/semicolonies. Aims to rethink the phenomenon of world literature and theories of cultural negotiation.

Note: Expected to be given in 2010–11.

[Comparative Literature 241. Reading Spinoza and Leibniz with Gilles Deleuze]

Catalog Number: 1652

Christopher D. Johnson

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

“In the history of philosophy,” Deleuze writes, “a commentary should act as a veritable double and bear the maximal modification appropriate to a double.” Examines the thoughts of Spinoza (*The Ethics*) and Leibniz (*The Monadology*, *Discourse on Metaphysics*) in the context of Deleuze’s commentaries.

Note: Expected to be given in 2010–11.

Comparative Literature 245. Intertextuality - (New Course)

Catalog Number: 19804

Judith Ryan

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Explores theories of intertextuality developed by Kristeva, Jauss, Bloom, Gilbert and Gubar, Genette, and others, and asks why the debates they have provoked have had such resonance in contemporary literary studies. A series of literary texts ranging from classical antiquity to the present will provide test cases for the various theories. Attention to such questions as influence, imitation, allusion, quotation, and plagiarism.

[Comparative Literature 246. The Critic in Culture]

Catalog Number: 3141

David Damrosch



Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This class will examine the interplay of scholarly analysis and cultural critique in a range of major modern critics and theorists, exploring their stylistic and essayistic strategies as they seek to find - or create - an audience for their ideas. Readings in Nietzsche, Foucault, Benjamin, Kobayashi, Woolf, Adorno, Barthes, Cixous, Said, Miyoshi, Minh-ha, Anzaldúa, Penley, Gramsci, and Agamben.

Note: Expected to be given in 2010–11.

Comparative Literature 247. Baroque and Neo-Baroque Literature - (New Course)

Catalog Number: 84314

Christopher D. Johnson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines the Baroque as a literary style, hystorical period, and mode of thought. Focuses on 17th century European, Colonial American, and contemporary "Neo-Baroque" texts. Analogies between the literary, visual, and musical arts are explored.

Note: Note: All readings available in translation, but students are encouraged to work in the original language.

Comparative Literature 248. American Multilingual Literature in a Transnational Context - (New Course)

Catalog Number: 32792

Werner Sollors

Half course (spring term). M., 3–5.

This Longfellow Institute seminar works with original source materials in several different languages. Special focus is on the historiographic and critical treatment of non-Anglophone texts, on general and theoretical problems of an ongoing multilingual American tradition, on the recuperation and editing of texts, and on issues of translation.

Comparative Literature 250. Theories of Security - (New Course)

Catalog Number: 80818

John T. Hamilton

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Investigates the broader significance of the term "security" that has coursed through philosophical, literary and artistic productions across various historical and cultural traditions. Discussions address that which remains implicit, latent, or unthought in current political and governmental issues of security and biopolitics. Readings include: Sophocles, Plato, Seneca, Machiavelli, Hobbes, Leibniz, Nietzsche, Freud, Kafka, Heidegger, Schmitt, Arendt, Foucault, Agamben, and Virilio.

[Comparative Literature 251. Literary Criticism and Theory: Antiquity to the Renaissance] - (New Course)

Catalog Number: 29296

John T. Hamilton

Half course (spring term). Hours to be arranged.

An historical and critical examination of key issues and debates in poetic theory, rhetoric, and literary interpretation. Topics include mimesis, catharsis, expression, performance, allegoresis,



typology, semiotics, hermeneutics, verisimilitude, genre, decorum, and the sublime.

Note: Expected to be given in 2010–11.

Comparative Literature 252. The Literatures of Medieval Iberia: Approaches and Debates in their Comparative Study - (New Course)

Catalog Number: 38202

Luis M. Girón Negrón

Half course (fall term). W., 4–6. EXAM GROUP: 9

The cultural interactions in premodern Spain between Muslims, Christians and Jews shaped the literary history of Arabic, Hebrew and the Ibero-Romance vernaculars. Our seminar examines selected scholarly debates on the comparative study of these literatures.

Comparative Literature 254. Modernist Polemics - (New Course)

Catalog Number: 89724

Daniel Albright

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Modernism's theories of itself - manifestoes, polemics, strident declarations, urbane repudiations of the old-fashioned-tested against Modernist practice, in literature, music, and painting. I welcome students from disparate graduate programs in the university.

Comparative Literature 256. Archeology of Modernity and Visual Culture - (New Course)

Catalog Number: 74617 Enrollment: Limited to 15. The course will include a creative experiments in photography, writing and digital media as well as analytic assignments. VES and GSD students welcome.

Svetlana Boym

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Explores contradictions of the modern experience in literature, philosophy, arts and architecture. Topics for 2010: nostalgia and modernization, public freedom and cross-cultural memory, archeology and the creative mapping of the urban space, culture and politics. Special attention to the relationship between critical theory and creative practice. Reading from Benjamin, Simmel, Shklovsky, Nabokov, Kafka, Arendt, Certeau, Lyotard, Derrida.

[*Comparative Literature 257. Trauma, Memory, and Creativity]

Catalog Number: 7853

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

We will examine classic and contemporary theories of psychic trauma in individual and collective contexts and explore the relations between trauma, resilience, play, and artistic innovation with special attention to modern literary autobiography; fiction; some attention to film and visual narrative.

Note: Expected to be given in 2010–11. Open to qualified juniors and seniors with approval of the instructor.

Prerequisite: Good reading knowledge of at least one non-English language.

Comparative Literature 261. Fragments of a Material History of Literature

Catalog Number: 6923



Jeffrey Schnapp

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Literary studies studied from the perspective of the practices that have shaped ideas concerning literature, writing, speech, and communication: from scrolls and codices to the rise of printing and typewriting to digital writing.

[*Comparative Literature 262. Aesthetics and Freedom]

Catalog Number: 5308

Svetlana Boym

Half course (spring term). Hours to be arranged.

Examines philosophical, political, and aesthetic conceptions of freedom from French and American revolutions to postcommunism. Topics: aesthetic education and the space of freedom, the myth of America from a cross-cultural perspective, love, and modern ethics.

Note: Expected to be given in 2010–11. Open to graduate students and qualified undergraduates. The discussions in class are based mostly on the English translations. However, the use of the texts in the original languages (Russian, French, and German) is encouraged for the final paper.

[Comparative Literature 263. Journey, Exile, and Displacement in Modern Arabic Literature]

Catalog Number: 3125

William E. Granara

Half course (spring term). Th., 4–6. EXAM GROUP: 18

The course examines narratives of journey, exile, and displacement in modern Arabic literature that trespass geographical, political and linguistic boundaries, and create new literary spaces that define and reshape modern Arab identities. Theoretical readings will include Pratt, Said, Rushdie and Kaplan.

Note: Expected to be given in 2010–11. Arabic helpful but not required. Undergraduates welcome.

[Comparative Literature 264. Thinking and Writing Transculturally]

Catalog Number: 6133

Karen Thornber

Half course (spring term). Hours to be arranged.

Explores approaches to transculturation in the production and evaluation of literature in light of new understandings of human and textual border-crossings. Topics include the ethics of dividing cultural products along ethnic, linguistic, and national lines on the one hand and classifying phenomena as global on the other, and the ramifications of cross-cultural comparison. We also examine the relationship between creative production and such topics as empire, travel/diaspora, translingualism, and literary reconfiguration.

Note: Expected to be given in 2010–11.

[Comparative Literature 266. Irony]

Catalog Number: 9984

Panagiotis Roilos

Half course (spring term). Hours to be arranged.

Explores major philosophical and aesthetic discourses on irony as well as literary manipulations



of the trope in western European tradition. Topics discussed include irony and rhetoric, parody, laughter, irony, and the post-modern.

Note: Expected to be given in 2010–11.

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

Catalog Number: 2521

Svetlana Boym

Half course (fall term). W., 2–4; W., at 4. EXAM GROUP: 7, 8

Examines the relationship between urban experience and debates on modernity/postmodernity in art, architecture and social theory. Topics: nostalgia and modernization, cultural archeology and architecture of transition, memorial, museum and public art, national identity and cosmopolitan imagination, metropolis and megapolis.

Note: Expected to be given in 2010–11. Students in this class will be encouraged to attend lectures and screenings for VES 184 and develop individual research and/or creative projects.

[Comparative Literature 275. Theory of Narrative: Conference Course]

Catalog Number: 3105 Enrollment: Limited to 15.

William Mills Todd III

Half course (fall term). Hours to be arranged.

Studies of selected narratives (fictional, psychoanalytic, historical, sacred) as semiotic structures, representations, rhetorical gambits, and cultural phenomena. Readings by Jakobson, Barthes, Bakhtin, Iser, Lukács, Foucault and others.

Note: Expected to be given in 2010–11. Open to advanced undergraduates and graduates. Recommended for potential teaching fellows.

[Comparative Literature 276. Renaissance Poetics and Rhetoric]

Catalog Number: 2534

Christopher D. Johnson

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examines Renaissance literary criticism and theory in the context of the arts of poetry and rhetoric. Topics include imitation, genre, decorum, and the conceit. Readings from Petrarch to Gracián and Boileau.

Note: Expected to be given in 2010–11.

[Comparative Literature 277. Literature and Diaspora]

Catalog Number: 6042

Karen Thornber

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Examines creative and critical discourse from and about the African, Chinese, Indian, Japanese, Jewish, and Korean diasporas. Explores the relationship between diaspora and constructions of artistic and cultural identities, transculturation, translation, and multilingualism.

Note: Expected to be given in 2010–11.

Comparative Literature 278. Failure and Change (Graduate Seminar in General Education) - (New Course)

Catalog Number: 41112



Christie McDonald

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Analysis of the failure of models and testing of limits in reflection about change, as well as the dialogue among literary, theological, socio-political, artistic, and philosophical discourses.

Topics include authority, freedom, equality, sentiment, reason, fanaticism, tolerance. Readings include works from St. Augustine, Rousseau, Diderot, Kant, Proust, Koselleck, Rorty, Beauvoir, Sartre, Kofman, Beckett. The seminar will design and develop a General Education course on these themes for undergraduates; it will also contain an arts component.

[Comparative Literature 283. Language Differences]

Catalog Number: 7468

Marc Shell

Half course (fall term). Hours to be arranged.

Considers language difference both as a literary theme and as a potent cause of war in the political arena. Historical foci include Europe, the Middle East, North America, and Africa.

Literary issues include translation, heteroglossia, cinematography, and multilingualism. Works of literature include Sophocles, Shakespeare, Goethe, and Dove.

Note: Expected to be given in 2010–11.

[Comparative Literature 286 (formerly Literature 148). Metaphor]

Catalog Number: 6074

Christopher D. Johnson

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Explores the theory and practice of metaphor in literature, philosophy, and science. Topics include: the aesthetic, heuristic, and epistemological functions of metaphor; metaphor's relation to allegory, irony, and other "major tropes"; metaphor in lyric poetry. Readings include Aristotle, Gracián, Jakobson, Freud, Ricoeur, Blumenberg, Kofman, Derrida, de Man, and Kuhn.

Note: Expected to be given in 2010–11. All readings will be available in translation, but students are encouraged to work in the original languages.

Comparative Literature 288. Antiquity and Beyond: Modern Critical Theory and the Classics

Catalog Number: 7557

Panagiotis Roilos

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the impact of classical literature and culture on the formation of modern critical theory.

Topics include: construction of power; trafficability of art; ritual theory; sexuality; gender studies; irony; orality and literacy.

***Comparative Literature 299ar. Theory and Comparative Literature: Proseminar**

Catalog Number: 2431

David Damrosch

Half course (fall term). W., 1–3. EXAM GROUP: 6

An investigation into current trends in comparative literature, with an emphasis on methodologies, resources, and theory.



Note: Required of first-year graduate students in Comparative Literature; others may be admitted by permission of the instructor.

Cross-listed Courses for Graduate Students

Arabic 158. Modern Arabic Literature Seminar: Lebanese Civil War in Fiction
***English 290d. The Senses, Emotion, and the Ethics of Reception: Theories of Drama, Theatre, Performance, and Media, Ancient to Contemporary: Graduate Seminar - (New Course)**

Modern Greek 202. Modern Greek Oral Literature: Interdisciplinary and Comparative Perspectives - (New Course)

[Modern Greek 205. C.P. Cavafy: European Modernism and the Poetics of Desire]

[Slavic 192. Literature as Institutions: Conference Course]

Graduate Courses of Reading and Research

***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Daniel Albright 4615, Svetlana Boym 1926, Joaquim-Francisco Coelho 7715, Verena A. Conley 2250, David Damrosch 5998, James Engell 8076, Luis M. Girón Negrón 3060, John T. Hamilton 3977, Christopher D. Johnson 4301 (on leave fall term), Christie McDonald 1160, Gregory Nagy 1423, Stephen Owen 7418, Julie Peters 6250, Panagiotis Roilos 1982, Judith Ryan 1135 (on leave fall term), Marc Shell 3176, Werner Sollors 7424, Diana Sorensen 4214, Susan R. Suleiman 7234 (on leave 2009-10), Karen Thornber 5764 (on leave 2009-10), William Mills Todd III 1634 (on leave 2009-10), and Ruth R. Wisse 3177

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Daniel Albright 4615, Svetlana Boym 1926, Joaquim-Francisco Coelho 7715, Verena A. Conley 2250, David Damrosch 5998, James Engell 8076, Luis M. Girón Negrón 3060, William E. Granara 1054 (on leave spring term), John T. Hamilton 3977, Christopher D. Johnson 4301 (on leave fall term), Christie McDonald 1160, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418, Julie Peters 6250, Panagiotis Roilos 1982, Judith Ryan 1135 (on leave fall term), Marc Shell 3176, Werner Sollors 7424, Diana Sorensen 4214, Susan R. Suleiman 7234 (on leave 2009-10), Karen Thornber 5764 (on leave 2009-10), William Mills Todd III 1634 (on leave 2009-10), and Ruth R. Wisse 3177

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Daniel Albright 4615, Svetlana Boym 1926, Joaquim-Francisco Coelho 7715, Verena A. Conley 2250, David Damrosch 5998, James Engell 8076, Luis M. Girón Negrón 3060, John T. Hamilton 3977, Christopher D. Johnson 4301 (on leave fall term), Christie McDonald 1160, Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418, Julie Peters 6250, Panagiotis Roilos 1982, Judith Ryan 1135 (on leave fall term), Marc Shell 3176, Werner Sollors 7424, Diana Sorensen 4214, Susan R. Suleiman 7234 (on leave 2009-10), Karen Thornber 5764 (on leave 2009-10), William Mills Todd III 1634 (on leave 2009-10), and Ruth R. Wisse 3177



Candidates for the doctoral degree in Comparative Literature may pursue advanced studies under the individual supervision of these instructors.

Note: Permission of the instructor and the Chairman of the Department required.

Cross-listed Graduate Courses of Reading and Research

***African and African American Studies 301. Graduate Proseminar**

Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Shing-Tung Yau, William Casper Graustein Professor of Mathematics (*Chair*)
Jameel Habeeb Al-Aidroos, Preceptor in Mathematics
Nir David Avni, Benjamin Peirce Lecturer in Mathematics
Paul G. Bamberg, Senior Lecturer on Mathematics
Clark Barwick, Benjamin Peirce Lecturer on Mathematics
Juliana Victoria Belding, Preceptor in Mathematics
Lydia Rosina Bieri, Benjamin Peirce Lecturer on Mathematics
Janet Chen, Preceptor in Mathematics
Andrew W. Cotton-Clay, Benjamin Peirce Lecturer on Mathematics
Noam D. Elkies, Professor of Mathematics
Dennis Gaitsgory, Professor of Mathematics
Peter McKee Garfield, Preceptor in Mathematics
Toby Gee, Benjamin Peirce Lecturer on Mathematics
Robin Gottlieb, Professor of the Practice of Mathematics
Benedict H. Gross, George Vasmer Leverett Professor of Mathematics
John T. Hall, Preceptor in Mathematics
Joseph D. Harris, Higgins Professor of Mathematics
Michael J. Hopkins, Professor of Mathematics (*on leave spring term*)
Mark Kisin, Professor of Mathematics
Oliver Knill, Preceptor in Mathematics
Antti Knowles, Lecturer on Mathematics
Sarah Colleen Koch, Benjamin Peirce Lecturer on Mathematics;
Peter B. Kronheimer, William Casper Graustein Professor of Mathematics (*Director of Undergraduate Studies*) (*on leave spring term*)
Jacob Lurie, Professor of Mathematics
Alina Marian, Visiting Assistant Professor of Mathematics (*University of Illinois at Chicago*)



(fall term only)

Barry C. Mazur, Gerhard Gade University Professor
 Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences
 Sophie Marguerite Morel, Professor of Mathematics
 Martin A. Nowak, Professor of Mathematics and of Biology
 Rehana Patel, Preceptor in Mathematics
 Joseph David Rabinoff, Benjamin Peirce Lecturer on Mathematics
 Mark Reeder, Visiting Professor of Mathematics (*Boston College*)
 Gerald E. Sacks, Professor of Mathematical Logic
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics (*on leave fall term*)
 Clifford Taubes, William Petschek Professor of Mathematics (*on leave 2009-10*)
 Christine Jiayou Taylor, Lecturer on Mathematics
 Richard L. Taylor, Herchel Smith Professor of Mathematics (*Director of Graduate Studies*)
 Kirsten Graham Wickelgren, Lecturer on Mathematics (*spring term only*)
 Lauren K. Williams, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2009-10*)
 Hao Xu, Lecturer on Mathematics
 Horng-Tzer Yau, Professor of Mathematics
 Jun Yin, Benjamin Peirce Lecturer in Mathematics
 Xinwen Zhu, Benjamin Peirce Lecturer on Mathematics

The Mathematics Department hopes that all students will take mathematics courses. This said, be careful to take only those courses that are appropriate for your level of experience. Incoming students should take advantage of Harvard's Mathematics Placement Test and of the science advising available in the Science Center the week before classes begin. Members of the Mathematics Department will be available during this period to consult with students. Generally, students with a strong precalculus background and some calculus experience will begin their mathematics education here with a deeper study of calculus and related topics in courses such as Mathematics 1a, 1b, 19a,b, 20, 21a,b, 23a,b and 25a,b. The Harvard Mathematics Placement Test results recommend the appropriate starting level course, either Mathematics Ma, 1a, 1b, or 21. Recommendation for Mathematics 21 is sufficient qualification for Mathematics 19a,b, 20, 21a, 23a, and 25a.

What follows briefly describes these courses: Mathematics 1a introduces the basic ideas and techniques of calculus while Mathematics 1b covers integration techniques, differential equations, sequences and series. Mathematics 21a covers multi-variable calculus while Mathematics 21b covers basic linear algebra with applications to differential equations. Students who do not place into (or beyond) Mathematics 1a can take Mathematics Ma, Mb, a two-term sequence which integrates calculus and precalculus material and prepares students to enter Mathematics 1b.

There are a number of options available for students whose placement is to Mathematics 21. For example, Mathematics 19a,b are courses that are designed for students concentrating in the life sciences, chemistry, and the environmental sciences. (These course are recommended over Math



21a,b by the various life science, environmental science, and chemistry concentrations). In any event, Math 19a can be taken either before or after Math 21a,b. Math 19b requires some multivariable calculus background, and should not be taken with Math 21b. Math 19a teaches differential equations, related techniques and modeling with applications to the life sciences. Math 19b focuses teaches linear algebra, probability and statistics with a focus on life science examples and applications. Mathematics 20 covers selected topics from Mathematics 21a and 21b for students particularly interested in economic and social science applications.

Mathematics 23 is a theoretical version of Mathematics 21 which treats multivariable calculus and linear algebra in a rigorous, proof oriented way. Mathematics 25 and 55 are theory courses that should be elected only by those students who have a strong interest in mathematics. They assume a solid understanding of one-variable calculus, a willingness to think rigorously and abstractly about mathematics, and to work extremely hard. Both courses study multivariable calculus and linear algebra plus many very deep related topics. Mathematics 25 differs from Mathematics 23 in that the work load in Mathematics 25 is significantly more than in Mathematics 23, but then Mathematics 25 covers more material. Mathematics 55 differs from Mathematics 25 in that the former assumes a very strong proof oriented mathematics background. Mathematics 55, covers the material from Mathematics 25 plus much material from Mathematics 122 and Mathematics 113. Entrance into Mathematics 55 requires the consent of the instructor.

Students who have had substantial preparation beyond the level of the Advanced Placement Examinations are urged to consult the Director of Undergraduate Studies in Mathematics concerning their initial Harvard mathematics courses. Students should take this matter very seriously. The Mathematics Department has also prepared a pamphlet with a detailed description of all its 100-level courses and their relationship to each other. This pamphlet gives sample lists of courses suitable for students with various interests. It is available at the Mathematics Department Office. Many 100-level courses assume some familiarity with proofs. Courses that supply this prerequisite include Mathematics 23, 25, 55, 101, 112, 121, and 141. Of these, note that Mathematics 101 may be taken concurrently with Mathematics 1, 19, 20, or 21.

Mathematics 113, 114, 122, 123, 131, and 132 form the core of the department's more advanced courses. Mathematics concentrators are encouraged to consider taking these courses, particularly Mathematics 113, 122 and 131. (Those taking 55a,b will have covered the material of Mathematics 113 and 122, and are encouraged to take Mathematics 114, 123, and 132.)

Courses numbered 200-249 are introductory graduate courses. They will include substantial homework and are likely to have a final exam, either in class or take home. Most are taught every year. They may be suitable for very advanced undergraduates. Mathematics 212a, 230a, 231a and 232a will help prepare graduate students for the qualifying examination in Mathematics. Courses numbered 250-299 are graduate topic courses, intended for advanced graduate students.

The Mathematics Department does not grant formal degree credit without *prior* approval for taking a course that is listed as a prerequisite of one you have already taken. Our policy is that a student who takes and passes any calculus course is not normally permitted to then take a more



elementary course for credit. A student who has passed Mathematics 21a, for example, will normally not be allowed to take Mathematics 1a, or 1b for credit. The Mathematics Department is prepared to make exceptions for sufficient academic reasons; in each case, however, a student must obtain written permission from the Mathematics Director of Undergraduate Studies in advance.

In the case of students accepting admission as sophomores, this policy is administered as follows: students counting one half course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a, and students counting a full course of advanced standing credit in mathematics are deemed to have passed Mathematics 1a and 1b.

Primarily for Undergraduates

Mathematics Ma (formerly Mathematics Xa). Introduction to Functions and Calculus I

Catalog Number: 1981 Enrollment: Normally limited to 15 students per section.

Juliana Belding, Jameel Al-Aidroos, Robin Gottlieb and members of the Department

Half course (fall term). Section meeting times: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M. W. F., at 12 (with sufficient enrollment); and a twice weekly lab session to be arranged.

The study of functions and their rates of change. Fundamental ideas of calculus are introduced early and used to provide a framework for the study of mathematical modeling involving algebraic, exponential, and logarithmic functions. Thorough understanding of differential calculus promoted by year long reinforcement. Applications to biology and economics emphasized according to the interests of our students.

Note: Required first meeting: Wednesday, September 2, 8:30 am, Science Center D.

Participation in a one and a half hour workshop is required each week. Participation in the weekly problem sessions is also encouraged. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning. This course, when taken for a letter grade together with Mathematics Mb, meets the Core area requirement for Quantitative Reasoning.

Mathematics Mb (formerly Mathematics Xb). Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.

Juliana Belding, Jameel Al-Aidroos, Rehana Patel, and members of the Department

Half course (spring term). Section I: M., W., F., at 10; Section II: M. W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); and a twice weekly lab session to be arranged.

EXAM GROUP: 1

Continued investigation of functions and differential calculus through modeling; an introduction to integration with applications; an introduction to differential equations. Solid preparation for Mathematics 1b.

Note: Participation in a one and a half hour workshop is required each week. Participation in the weekly problem sessions is also encouraged. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning. This course, when taken for a letter grade together with Mathematics Ma, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics Ma.



Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

Benedict H. Gross, Dennis Gaitsgory, Peter M. Garfield, and Joseph Rabinoff (fall term); Peter M. Garfield (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10-11:30; Section VI, Tu., Th., 11:30-1. Spring: Section I, M., W., F., at 10, and a weekly problem section to be arranged. EXAM GROUP: 1

The development of calculus by Newton and Leibniz ranks among the greatest achievements of the past millennium. This course will help you see why by introducing: how differential calculus treats rates of change; how integral calculus treats accumulation; and how the fundamental theorem of calculus links the two. These ideas will be applied to problems from many other disciplines.

Note: Required first meeting in fall: Thursday, September 3, 8:30 am, Science Center B. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: A solid background in precalculus.

Mathematics 1b. Calculus, Series, and Differential Equations

Catalog Number: 1804 Enrollment: Normally limited to 30 students per section.

Janet Chen, Peter M. Garfield, and Christine Taylor (fall term); Robin Gottlieb, and John Hall (spring term)

Half course (fall term; repeated spring term). Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12 (with sufficient enrollment); Section V: Tu., Th., 10-11:30; Section VI, Tu., Th., 11:30-1. Spring: Section I, M., W., F., at 10; Section II, M., W., F., 11; Section III, M., W., F., 12; Section IV, Tu., Th., 10-11:30; Section V, Tu., Th., 11:30-1 (with sufficient enrollment), and a weekly problem section to be arranged. Required exams: Hours to be arranged. EXAM GROUP: 1

Speaking the language of modern mathematics requires fluency with the topics of this course: infinite series, integration, and differential equations. Model practical situations using integrals and differential equations. Learn how to represent interesting functions using series and find qualitative, numerical, and analytic ways of studying differential equations. Develop both conceptual understanding and the ability to apply it.

Note: Required first meeting in fall: Wednesday, September 2, 8:30 am, Science Center C. Required first meeting in spring: Monday, January 25, 8:30 am, Science Center D. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1a, or Ma and Mb, or equivalent.

Mathematics 19a. Modeling and Differential Equations for the Life Sciences

Catalog Number: 1256

John T. Hall (fall term) and John T. Hall (spring term)

Half course (fall term; repeated spring term). M., W., F., at 1, and a weekly problem section to be arranged. EXAM GROUP: 6

Considers the construction and analysis of mathematical models that arise in the environmental sciences, biology, the ecological sciences, and in earth and atmospheric sciences. Introduces



mathematics that include multivariable calculus, differential equations in one or more variables, vectors, matrices, and linear and non-linear dynamical systems. Taught via examples from current literature (both good and bad).

Note: This course is recommended over Math 21a for those planning to concentrate in the life sciences, chemistry, or environmental sciences. Can be taken with or without Mathematics 21a,b. Students with interests in the social sciences and economics might consider Mathematics 20. This course can be taken before or after Mathematics 20. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences

Catalog Number: 6144

Peter M. Garfield

Half course (spring term). M., W., F., at 1, and a weekly problem section to be arranged. EXAM GROUP: 6

Probability, statistics and linear algebra with applications to life sciences, chemistry, and environmental sciences. Linear algebra includes matrices, eigenvalues, eigenvectors, determinants, and applications to probability, statistics, dynamical systems. Basic probability and statistics are introduced, as are standard models, techniques, and their uses including the central limit theorem, Markov chains, curve fitting, regression, and pattern analysis.

Note: This course is recommended over Math 21b for those planning to concentrate in the life sciences, chemistry, or environmental sciences. Can be taken with Mathematics 21a. Students who have seen some multivariable calculus can take Math 19b before Math 19a. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Mathematics 20. Algebra and Multivariable Mathematics for Social Sciences

Catalog Number: 0906

Rehana Patel

Half course (fall term; repeated spring term). Fall: M., W., F., at 9; Spring: M., W., F., at 10.

EXAM GROUP: Fall: 2; Spring: 3

Introduction to linear algebra, including vectors, matrices, and applications. Calculus of functions of several variables, including partial derivatives, constrained and unconstrained optimization, and applications. Covers the topics from Mathematics 21a,b which are most important in applications to economics, the social sciences, and some other fields.

Note: Should not ordinarily be taken in addition to Mathematics 21a,b. Examples drawn primarily from economics and the social sciences though Mathematics 20 may be useful to students in certain natural sciences. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent, or an A or A- in Mathematics 1a, or a 5 on the AB or a 3 or higher on the BC Advanced Placement Examinations in Mathematics.

Mathematics 21a. Multivariable Calculus

Catalog Number: 6760 Enrollment: Normally limited to 30 students per section.

Oliver Knill, Jameel Al-Aidroos, Andrew Cotton-Clay, Toby Gee, Horng-Tzer Yau, and Xinwen



Zhu (fall term); Jameel Al-Aidroos, Janet Chen, and Jun Yin (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., at 12; Section V, Tu., Th., 10-11:30; Section VI, Tu., Th., 11:30-1. Spring: Section I, M., W., F., at 9 (with sufficient enrollment); Section II, M., W., F., at 10; Section III, M., W., F., at 11; Section IV, M., W., F., 12 (with sufficient enrollment); Section V, Tu., Th., 10-11:30; Section VI, Tu., Th., 11:30-1 (with sufficient enrollment), and a weekly problem section to be arranged. . EXAM GROUP: 1

To see how calculus applies in practical situations described by more than one variable, we study: Vectors, lines, planes, parameterization of curves and surfaces, partial derivatives, directional derivatives, and the gradient, optimization and critical point analysis, including constrained optimization and the Method of Lagrange Multipliers, integration over curves, surfaces, and solid regions using Cartesian, polar, cylindrical, and spherical coordinates, divergence and curl of vector fields, and the Green's, Stokes', and Divergence Theorems.

Note: Required first meeting in fall: Thursday, September 3, 8:30 am, Science Center C.

Required first meeting in spring: Monday, January 25, 8:30 am, Science Center C. May not be taken for credit by students who have passed Applied Mathematics 21a. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning. Activities using computers to calculate and visualize applications of these ideas will not require previous programming experience. Special sections for students interested in physics are offered each term.

Prerequisite: Mathematics 1b or equivalent.

Mathematics 21b. Linear Algebra and Differential Equations

Catalog Number: 1771 Enrollment: Normally limited to 30 students per section.

Rehana Patel, and Sophie Morel (fall term); Oliver Knill, and Juliana Belding (spring term)

Half course (fall term; repeated spring term). Fall: Section I, M., W., F., at 10 (with sufficient enrollment); Section II, M., W., F., at 11; Section III, M., W., F., at 12; Spring: Section I, M., W., F., at 10; Section II, M., W., F., at 11; Section III, M., W., F., at 12 (with sufficient enrollment); Section IV, Tu., Th., 10-11:30; Section V, Tu., Th., 11:30-1, and a weekly problem section to be arranged. EXAM GROUP: 1

Matrices provide the algebraic structure for solving myriad problems across the sciences. We study matrices and related topics such as vectors, Euclidean spaces, linear transformations, determinants, eigenvalues, and eigenvectors. Of applications given, a regular section considers dynamical systems and both ordinary and partial differential equations plus an introduction to Fourier series.

Note: MRequired first meeting in fall: Wednesday, September 2, 8:00 am, Science Center A.

Required first meeting in spring: Monday, January 25, 8:30 am, Science Center B. May not be taken for credit by students who have passed Applied Mathematics 21b. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent. Mathematics 21a is commonly taken before Mathematics 21b, but is not a prerequisite, although familiarity with partial derivatives is useful.

Mathematics 23a. Linear Algebra and Real Analysis I

Catalog Number: 2486



Paul G. Bamberg

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

A rigorous, integrated treatment of linear algebra and multivariable differential calculus, emphasizing topics that are relevant to fields such as physics and economics. Topics: fields, vector spaces and linear transformations, scalar and vector products, elementary topology of Euclidean space, limits, continuity, and differentiation in n dimensions, eigenvectors and eigenvalues, inverse and implicit functions, manifolds, and Lagrange multipliers. Students are expected to master twenty important proofs.

Note: Course content overlaps substantially with Mathematics 21a,b, 25a,b, so students should plan to continue in Mathematics 23b. See the description in the introductory paragraphs in the Mathematics section of the catalog about the differences between Mathematics 23 and Mathematics 25. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or a grade of 4 or 5 on the Calculus BC Advanced Placement Examination, plus an interest both in proving mathematical results and in using them.

Mathematics 23b. Linear Algebra and Real Analysis II

Catalog Number: 8571

Paul G. Bamberg

Half course (spring term). Tu., Th., 2:30–4, and a weekly conference section to be arranged.

EXAM GROUP: 16, 17

A rigorous, integrated treatment of linear algebra and multivariable calculus. Topics: Riemann and Lebesgue integration, determinants, change of variables, volume of manifolds, differential forms, and exterior derivative. Applications of linear algebra to differential equations and Fourier analysis. Introduction to infinite-dimensional vector spaces. Stokes's theorem is presented both in the language of vector analysis (div, grad, and curl) and in the language of differential forms. Students are expected to master twenty important proofs.

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a.

Mathematics 25a. Honors Linear Algebra and Real Analysis I

Catalog Number: 1525

Nir David Avni

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of linear algebra. Topics include: Construction of number systems; fields, vector spaces and linear transformations; eigenvalues and eigenvectors, determinants and inner products. Metric spaces, compactness and connectedness.

Note: Only for students with a strong interest and background in mathematics. There will be a heavy workload. May not be taken for credit after Mathematics 23. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: 5 on the Calculus BC Advanced Placement Examination and some familiarity with writing proofs, or the equivalent as determined by the instructor.

**Mathematics 25b. Honors Linear Algebra and Real Analysis II**

Catalog Number: 1590

Nir David Avni

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of basic analysis. Topics include: convergence, continuity, differentiation, the Riemann integral, uniform convergence, the Stone-Weierstrass theorem, Fourier series, differentiation in several variables. Additional topics, including the classical results of vector calculus in two and three dimensions, as time allows.

Note: There will be a heavy workload. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a or 25a or 55a.

***Mathematics 55a. Honors Abstract Algebra**

Catalog Number: 4068

Curtis T. McMullen

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

A rigorous treatment of abstract algebra including linear algebra and group theory.

Note: Mathematics 55a is an intensive course for students having significant experience with abstract mathematics. Instructor's permission required. Every effort will be made to accommodate students uncertain of whether the course is appropriate for them; in particular, Mathematics 55a and 25a will be closely coordinated for the first three weeks of instruction. Students can switch between the two courses during the first three weeks without penalty. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Mathematics 55b. Honors Real and Complex Analysis

Catalog Number: 3312

Curtis T. McMullen

Half course (spring term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

A rigorous treatment of real and complex analysis.

Note: Mathematics 55b is an intensive course for students having significant experience with abstract mathematics. Instructor's permission required. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

***Mathematics 60r. Reading Course for Senior Honors Candidates**

Catalog Number: 8500

Peter B. Kronheimer

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in courses.

Note: Limited to candidates for honors in Mathematics who obtain the permission of both the faculty member under whom they want to work and the Director of Undergraduate Studies. May not count for concentration in Mathematics without special permission from the Director of Undergraduate Studies. Graded Sat/Unsat only.



***Mathematics 91r. Supervised Reading and Research**

Catalog Number: 2165

Peter B. Kronheimer

Half course (fall term; repeated spring term). Hours to be arranged.

Programs of directed study supervised by a person approved by the Department.

Note: May not ordinarily count for concentration in Mathematics.

***Mathematics 99r. Tutorial**

Catalog Number: 6024

Peter B. Kronheimer and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised small group tutorial. Topics to be arranged.

Note: May be repeated for course credit with permission from the Director of Undergraduate Studies. Only one tutorial may count for concentration credit.

For Undergraduates and Graduates

See also Applied Mathematics and Statistics.

Mathematics 101. Sets, Groups and Topology

Catalog Number: 8066

Benedict H. Gross

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to rigorous mathematics, axioms, and proofs, via topics such as set theory, symmetry groups, and low-dimensional topology.

Note: Familiarity with algebra, geometry and/or calculus is desirable. Students who have already taken Mathematics 23a,b, 25a,b or 55a,b should not take this course for credit. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Prerequisite: An interest in mathematical reasoning.

Mathematics 112. Introductory Real Analysis

Catalog Number: 1123

Gerald E. Sacks

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An introduction to mathematical analysis and the theory behind calculus. An emphasis on learning to understand and construct proofs. Covers limits and continuity in metric spaces, uniform convergence and spaces of functions, the Riemann integral.

Prerequisite: Mathematics 21a,b and either an ability to write proofs or concurrent enrollment in Mathematics 101. Should not ordinarily be taken in addition to Mathematics 23a,b, 25a,b or 55a,b.

Mathematics 113. Analysis I: Complex Function Theory

Catalog Number: 0405

Wilfried Schmid

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13



Analytic functions of one complex variable: power series expansions, contour integrals, Cauchy's theorem, Laurent series and the residue theorem. Some applications to real analysis, including the evaluation of indefinite integrals. An introduction to some special functions.
Prerequisite: Mathematics 23a,b, 25a,b, or 112. Not to be taken after Mathematics 55b.

Mathematics 114. Analysis II: Measure, Integration and Banach Spaces

Catalog Number: 9111

Yum Tong Siu

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Lebesgue measure and integration; general topology; introduction to L^p spaces, Banach and Hilbert spaces, and duality.

Prerequisite: Mathematics 23, 25, 55, or 112.

Mathematics 115. Methods of Analysis

Catalog Number: 1871

Jun Yin

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Complex functions; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; Sturm-Liouville theory.

Note: Mathematics 115 is especially for students interested in physics.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b, or 112.

Mathematics 116. Convexity and Optimization with Applications

Catalog Number: 5253

Paul G. Bamberg

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

Develops the theory of convex sets, normed infinite-dimensional vector spaces, and convex functionals and applies it as a unifying principle to a variety of optimization problems such as resource allocation, production planning, and optimal control. Topics include Hilbert space, dual spaces, the Hahn-Banach theorem, the Riesz representation theorem, calculus of variations, and Fenchel duality. Students will be expected to understand and invent proofs of theorems in real and functional analysis.

Prerequisite: Mathematics 23ab, 25ab, or 55ab, or Mathematics 21ab plus at least one other more advanced course in mathematics.

Mathematics 118r. Dynamical Systems

Catalog Number: 6402

Antti Knowles

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Introduction to dynamical systems theory with a view toward applications. Topics include existence and uniqueness theorems for flows, qualitative study of equilibria and attractors, iterated maps, and bifurcation theory.

Prerequisite: Mathematics 21a,b.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009



Sarah Colleen Koch

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Real and complex vector spaces, dual spaces, linear transformations and Jordan normal forms. Inner product spaces. Applications to differential equations, classical mechanics, and optimization theory. Emphasizes learning to understand and write proofs.

Prerequisite: Mathematics 21b or equivalent. Should not ordinarily be taken in addition to Mathematics 23a, 25a, or 55a.

Mathematics 122. Algebra I: Theory of Groups and Vector Spaces

Catalog Number: 7855

Barry C. Mazur

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Groups and group actions, vector spaces and their linear transformations, bilinear forms and linear representations of finite groups.

Prerequisite: Mathematics 23a, 25a, 121; or 101 with the instructor's permission. Should not be taken in addition to Mathematics 55a.

Mathematics 123. Algebra II: Theory of Rings and Fields

Catalog Number: 5613

Barry C. Mazur

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Rings and modules. Polynomial rings. Field extensions and the basic theorems of Galois theory. Structure theorems for modules.

Prerequisite: Mathematics 122 or 55a.

Mathematics 124. Number Theory

Catalog Number: 2398

Richard L. Taylor

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Factorization and the primes; congruences; quadratic residues and reciprocity; continued fractions and approximations; Pell's equation; selected Diophantine equations; theory of integral quadratic forms.

Prerequisite: Mathematics 122 (which may be taken concurrently) or equivalent.

Mathematics 129. Number Fields

Catalog Number: 2345

Sophie Marguerite Morel

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Algebraic number theory: number fields, unique factorization of ideals, finiteness of class group, structure of unit group, Frobenius elements, local fields, ramification, weak approximation, adeles, and ideles.

Prerequisite: Mathematics 123.

Mathematics 130 (formerly Mathematics 138). Classical Geometry

Catalog Number: 5811

Paul G. Bamberg



Half course (spring term). M., W., 4-5:30. EXAM GROUP: 9
Euclidean, spherical and hyperbolic geometry. No prior experience with proofs required.
Prerequisite: Mathematics 21a,b, 23a, 25a or 55a (may be taken concurrently).

Mathematics 131. Topology I: Topological Spaces and the Fundamental Group

Catalog Number: 2381

Clark Barwick

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Abstract topological spaces; compactness, connectedness, continuity. Homeomorphism and homotopy, fundamental groups, covering spaces. Introduction to combinatorial topology.

Prerequisite: Some acquaintance with metric space topology (Mathematics 23a,b, 25a,b, 55a,b, 101, or 112) and with groups (Mathematics 101, 122 or 55a).

Mathematics 132. Topology II: Smooth Manifolds

Catalog Number: 7725

Lydia Rosina Bieri

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Differential manifolds, smooth maps and transversality. Winding numbers, vector fields, index and degree. Differential forms, Stokes' theorem, introduction to cohomology.

Prerequisite: Mathematics 23a,b, 25a,b, 55a,b or 112.

Mathematics 136. Differential Geometry

Catalog Number: 1949

Lydia Rosina Bieri

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

The exterior differential calculus and its application to curves and surfaces in 3-space and to various notions of curvature. Introduction to Riemannian geometry in higher dimensions and to symplectic geometry.

Prerequisite: Advanced calculus and linear algebra.

Mathematics 137. Algebraic Geometry

Catalog Number: 0556

Kirsten Graham Wickelgren

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Affine and projective spaces, plane curves, Bezout's theorem, singularities and genus of a plane curve, Riemann-Roch theorem.

Prerequisite: Mathematics 123.

Mathematics 141. Introduction to Mathematical Logic

Catalog Number: 0600

Gerald E. Sacks

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to mathematical logic with applications to computer science and algebra. Formal languages. Completeness and compactness of first order logic. Definability and interpolation. Decidability. Unsolvability problems. Computable functions and Turing machines. Recursively enumerable sets. Transfinite induction.



Prerequisite: Any mathematics course at the level of Mathematics 21a,b or higher, or permission of instructor.

[Mathematics 143. Set Theory]

Catalog Number: 6005

Gerald E. Sacks

Half course (spring term). Hours to be arranged.

Axioms of set theory. Gödel's constructible universe. Consistency of the axiom of choice and of the generalized continuum hypothesis. Cohen's forcing method. Independence of the AC and GCH.

Note: Expected to be given in 2010–11.

Prerequisite: Any mathematics course at the level of Mathematics 21a or higher, or permission of instructor.

[Mathematics 144. Model Theory and Algebra]

Catalog Number: 0690

Gerald E. Sacks

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

An introduction to model theory with applications to fields and groups. First order languages, structures, and definable sets. Compactness, completeness, and back-and-forth constructions. Quantifier elimination for algebraically closed, differentially closed, and real closed fields. Omitting types, prime extensions, existence and uniqueness of the differential closure, saturation, and homogeneity. Forking, independence, and rank.

Note: Expected to be given in 2010–11.

Prerequisite: Mathematics 123 or the equivalent is suggested as a prerequisite, but not required.

Mathematics 152. Discrete Mathematics

Catalog Number: 8389

John T. Hall

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An introduction to finite groups, finite fields, finite geometry, discrete probability, and graph theory. A unifying theme of the course is the symmetry group of the regular icosahedron, whose elements can be realized as permutations, as linear transformations of vector spaces over finite fields, as collineations of a finite plane, or as vertices of a graph. Taught in a seminar format, and students will gain experience in presenting proofs at the blackboard.

Note: Students who have taken Mathematics 23a,b, 25a,b or 55a,b should not take this course for credit.

Prerequisite: Mathematics 21b or equivalent.

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

Catalog Number: 3004

Martin A. Nowak

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduces basic concepts of mathematical biology and evolutionary dynamics: evolution of genomes, quasi-species, finite and infinite population dynamics, chaos, game dynamics, evolution of cooperation and language, spatial models, evolutionary graph theory, infection



dynamics, somatic evolution of cancer.

Prerequisite: Mathematics 21a,b.

Mathematics 154 (formerly Mathematics 191). Probability Theory

Catalog Number: 4306

Hornig-Tzer Yau

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

An introduction to probability theory. Discrete and continuous random variables; distribution and density functions for one and two random variables; conditional probability. Generating functions, weak and strong laws of large numbers, and the central limit theorem. Geometrical probability, random walks, and Markov processes.

Note: This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning and the Core area requirement for Quantitative Reasoning.

Prerequisite: Any mathematics course at the level of Mathematics 19a,b, or 21a,b or higher, or knowledge of multivariable calculus as demonstrated on the online placement test.

Mathematics 155r (formerly Mathematics 192r). Combinatorics

Catalog Number: 6612

Noam D. Elkies

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

In combinatorics and elsewhere one often encounters a "design", or a collection of subsets of some finite set S whose elements are evenly distributed in a suitable sense; for instance the collection of edges of a regular graph (each of whose vertices is contained in the same number of edges) or the collection of lines of a finite projective plane (any two of whose points are contained in a unique line). Of particular interest are designs symmetric under a large group of permutations of S . The consideration of specific classical designs and their symmetries will lead us to the general study of designs and permutation groups. We conclude with the construction and detailed analysis of the remarkable designs associated with Mathieu's sporadic groups of permutations of 12- and 24- element sets.

Prerequisite: The ability to write proofs and some knowledge of linear algebra will be needed.

Mathematics 160. John Wallis and Transcendence: Measuring the Circle - (New Course)

Catalog Number: 17177 Enrollment: Limited to 15. Undergraduates may enroll with permission of the instructor.

Barry C. Mazur and Mark Reeder (Boston College)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

What does it mean to "know" a length, an area, a volume? We do it by relating lengths to lengths, areas to areas, volumes to volumes. Archimedes had his "mechanical" method and modern mathematics has the Calculus. John Wallis grappled with an approach that lies somewhere in between Archimedes and the Calculus. We will read John Wallis's treatise "The arithmetic of infinitesimals" (and related works) to learn what this is.

Prerequisite: A working knowledge of the Calculus.

Cross-listed Courses



[Applied Mathematics 105a. Complex and Fourier Analysis](#)

[Applied Mathematics 105b. Ordinary and Partial Differential Equations](#)

[Applied Mathematics 107. Graph Theory and Combinatorics](#)

[\[Empirical and Mathematical Reasoning 14. Fat Chance\] - \(New Course\)](#)

[*Freshman Seminar 24i. Mathematical Problem Solving](#)

[*Freshman Seminar 26s. Mathematical Structures and Gödel's Completeness Theorem](#)

[*History of Science 206r. The Continuum of Motion, Space and Change in Aristotle and the Aristotelian Tradition: Seminar - \(New Course\)](#)

[Philosophy 144. Logic and Philosophy](#)

Primarily for Graduates

[Mathematics 212a \(formerly Mathematics 212ar\). Real Analysis](#)

Catalog Number: 5446

Horng-Tzer Yau

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Banach spaces, Hilbert spaces and functional analysis. Distributions, spectral theory and the Fourier transform.

Prerequisite: Mathematics 114 or equivalent.

[Mathematics 212br. Advanced Real Analysis](#)

Catalog Number: 7294

Jun Yin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Mathematics 212ar. The spectral theorem for self-adjoint operators in Hilbert space. Applications to partial differential equations.

Prerequisite: Mathematics 212ar and 213a.

[Mathematics 213a. Complex Analysis](#)

Catalog Number: 1621

Yum Tong Siu

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A second course in complex analysis: elliptic functions, canonical products, conformal mapping, extremal length, harmonic measure and capacity.

Prerequisite: Mathematics 55b or 113.

[Mathematics 213br. Advanced Complex Analysis](#)

Catalog Number: 2641

Yum Tong Siu

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, potential theory, uniformization, and moduli.

Prerequisite: Mathematics 213a.

[Mathematics 221. Commutative Algebra](#)

Catalog Number: 8320



Toby Gee

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A first course in commutative algebra: Noetherian rings and modules, Hilbert basis theorem, Cayley-Hamilton theorem, integral dependence, Noether normalization, the Nullstellensatz, localization, primary decomposition, discrete valuation rings, filtrations, completions and dimension theory.

Prerequisite: Mathematics 123.

Mathematics 222. Lie Groups and Lie Algebras

Catalog Number: 6738

Wilfried Schmid

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Lie theory, including the classification of semi-simple Lie algebras and/or compact Lie groups and their representations.

Prerequisite: Mathematics 114, 123 and 132.

[Mathematics 223a (formerly Mathematics 251a). Algebraic Number Theory]

Catalog Number: 8652

Instructor to be determined

Half course (fall term). Hours to be arranged.

A graduate introduction to algebraic number theory. Topics: the structure of ideal class groups, groups of units, a study of zeta functions and L-functions, local fields, Galois cohomology, local class field theory, and local duality.

Note: Expected to be given in 2010–11.

Prerequisite: Mathematics 129.

[Mathematics 223b (formerly Mathematics 251b). Algebraic Number Theory]

Catalog Number: 2783

Instructor to be determined

Half course (spring term). Hours to be arranged.

Continuation of Mathematics 223a. Topics: adeles, global class field theory, duality, cyclotomic fields. Other topics may include: Tate's thesis or Euler systems.

Note: Expected to be given in 2010–11.

Prerequisite: Mathematics 223a.

Mathematics 224. Representations of Reductive Lie Groups - (New Course)

Catalog Number: 25927

Wilfried Schmid

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Harish-Chandra modules, characters, the discrete series, classification of irreducible representations, Plancherel theorem.

Mathematics 229x. Introduction to Analytic Number Theory - (New Course)

Catalog Number: 41034

Noam D. Elkies

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7



Fundamental methods, results, and problems of analytic number theory. Riemann zeta function and the Prime Number Theorem; Dirichlet's theorem on primes in arithmetic progressions; lower bounds on discriminants from functional equations; sieve methods, analytic estimates on exponential sums, and their applications.

Prerequisite: Mathematics 113, 123

Mathematics 230a. Differential Geometry

Catalog Number: 0372

Lydia Rosina Bieri

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Elements of differential geometry: Riemannian geometry, symplectic and Kaehler geometry, geodesics, Riemann curvature, Darboux's theorem, moment maps and symplectic quotients, complex and Kaehler manifolds, Dolbeault and de Rham cohomology.

Prerequisite: Mathematics 132 or equivalent.

Mathematics 230br. Advanced Differential Geometry

Catalog Number: 0504

Shlomo Z. Sternberg

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

A continuation of Mathematics 230a. Topics in global Riemannian geometry: Ricci curvature and volume comparison; sectional curvature and distance comparison; Toponogov's theorem and applications; sphere theorems; Gromov's betti number bounds; Gromov-Hausdorff convergence; Cheeger's finiteness theorem, and convergence theorems.

Prerequisite: Mathematics 230a.

Mathematics 231a (formerly Mathematics 272a). Algebraic Topology

Catalog Number: 7275

Clark Barwick

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Covering spaces and fibrations. Simplicial and CW complexes, Homology and cohomology, universal coefficients and Künneth formulas. Hurewicz theorem. Manifolds and Poincaré duality.

Prerequisite: Mathematics 131 and 132.

Mathematics 231br (formerly Mathematics 272b). Advanced Algebraic Topology

Catalog Number: 9127

Clark Barwick

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Continuation of Mathematics 231a. Spectral sequences and techniques of computation. Vector bundles and characteristic classes. Bott periodicity. K-theory, cobordism and stable cohomotopy as examples of cohomology theories.

Prerequisite: Mathematics 231a.

Mathematics 232a (formerly Mathematics 260a). Introduction to Algebraic Geometry I

Catalog Number: 6168

Joseph D. Harris



Half course (fall term). M., W., F., at 10. EXAM GROUP: 3
Introduction to complex algebraic curves, surfaces, and varieties.
Prerequisite: Mathematics 123 and 132.

Mathematics 232br (formerly Mathematics 260b). Introduction to Algebraic Geometry II

Catalog Number: 9205

Joseph D. Harris

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3
The course will cover the classification of complex algebraic surfaces.
Prerequisite: Mathematics 232a.

Mathematics 233a (formerly Mathematics 261a). Theory of Schemes I

Catalog Number: 6246

Dennis Gaitsgory

Half course (fall term). Tu., Th., 3–4:30. EXAM GROUP: 16, 17, 18
An introduction to the theory and language of schemes. Textbooks: Algebraic Geometry by Robin Hartshorne and Geometry of Schemes by David Eisenbud and Joe Harris. Weekly homework will constitute an important part of the course.
Prerequisite: Mathematics 221 and 232a or permission of instructor.

Mathematics 233br (formerly Mathematics 261b). Theory of Schemes II

Catalog Number: 3316

Dennis Gaitsgory

Half course (spring term). Tu., Th., 3–4:30. EXAM GROUP: 16, 17, 18
A continuation of Mathematics 233a. Will cover the theory of schemes, sheaves, and sheaf cohomology.
Prerequisite: Mathematics 233a.

Mathematics 243 (formerly Mathematics 234). Evolutionary Dynamics

Catalog Number: 8136

Martin A. Nowak

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17
Advanced topics of evolutionary dynamics. Seminars and research projects.
Prerequisite: Experience with mathematical biology at the level of Mathematics 153.

Mathematics 252x. Chromatic Homotopy Theory - (New Course)

Catalog Number: 95261

Jacob Lurie

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5
A discussion of the chromatic picture of stable homotopy theory, beginning with Quillen's work on cohomology theories and formal group laws and culminating with the resolution of the Ravenel conjectures via the work of Devinatz-Hopkins-Smith.

Mathematics 264. Introduction to the Dynamics of Large Quantum Systems - (New Course)

Catalog Number: 43739

Antti Knowles



Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

Possible topics: the N-body Schrodinger equation, self adjointness of Schrodinger operators, path integrals, coherent states, limiting dynamics and nonlinear Schrodinger equations.

Prerequisite: Basic knowledge of functional analysis and measure theory.

Mathematics 269x. Integrable Systems and Algebraic Geometry - (New Course)

Catalog Number: 58846

Hao Xu

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Possible topics: Gelfand-Dickey formalism of integrable hierarchies, theta function solutions of KdV equations, Witten-Kontsevich theorem and intersection theory on moduli spaces of curves.

Mathematics 272x. p-adic Modular Forms and Analytic Continuation - (New Course)

Catalog Number: 92556

Joseph Rabinoff

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Fundamentals of the theory of p-adic modular forms. Topics may include: the canonical subgroup, p-adic congruence properties, analytic continuation including the control theorem, and applications to Galois representations.

Mathematics 275z. Riemann Surfaces and Hyperbolic Geometry - (New Course)

Catalog Number: 52645

Curtis T. McMullen

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Fundamental results and topics in Teichmüller theory, hyperbolic 3-manifolds, complex dynamics and moduli spaces.

Mathematics 278y. Algebraic Topology Literature - (New Course)

Catalog Number: 25136

Michael J. Hopkins

Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8

A literature course in advanced topics in algebraic topology. Material will be taken from research papers, both classical and contemporary, and the presentation will involve significant participation from the students.

Note: Enrollment limited to 8 students, please contact the professor before registering.

Mathematics 279. Aspects of the p-adic Langlands Correspondence - (New Course)

Catalog Number: 86355

Toby Gee

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

An introduction to the p-adic Langlands correspondence. Precise details to be decided on nearer to the time.

Mathematics 284. Loop Groups and their Flag Varieties - (New Course)

Catalog Number: 73953

Xinwen Zhu



Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

Applications of loop groups and their flag varieties to representation theory and algebraic geometry. Possible topics: reductive groups over local fields, flag varieties of loop groups, uniformization of G -bundles on curves.

Mathematics 285. Topics in Low-Dimensional Topology - (New Course)

Catalog Number: 67752

Peter B. Kronheimer

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to Floer homology theories and to some of the questions in topology to which they have been applied.

Mathematics 291. Symplectic and Contact Topology - (New Course)

Catalog Number: 37538

Andrew Cotton-Clay

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

A tour of symplectic and contact topology. Hamiltonian and Reeb dynamics. Symplectomorphism groups. Symplectic fibrations and Lefschetz pencils. Open books. Surgery fillings. Holomorphic curves, Floer homology, and symplectic field theory.

Mathematics 292. Galois Representations - (New Course)

Catalog Number: 78113

Mark Kisin

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An introduction to p -adic Hodge theory and deformations of Galois representations as well as some applications.

Mathematics 293. Topics in the Moduli Theory of Sheaves - (New Course)

Catalog Number: 22431

Alina Marian (University of Illinois at Chicago)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

After building a standard background, we will focus on sheaves over curves and surfaces. Topics may include: Lie algebra actions on the cohomology of moduli, geometry of rank 0 sheaves, wallcrossing, strange dualities.

Mathematics 299r. Graduate Tutorial in Number Theory

Catalog Number: 8799

Richard L. Taylor

Half course (spring term). M., 1:30–3. EXAM GROUP: 6, 7

Student seminars on topics from Galois representations and automorphic forms. Participation by invitation only.

Graduate Courses of Reading and Research

***Mathematics 300. Teaching Undergraduate Mathematics**

Catalog Number: 3996



Robin Gottlieb and Jameel Al-Aidroos

Half course (fall term). Tu., 1–2:30.

This course is for all first-year graduate students in Mathematics.

[*Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences]

Catalog Number: 4344

Instructor to be determined

Note: Expected to be given in 2010–11.

***Mathematics 304. Topics in Algebraic Topology**

Catalog Number: 0689

Michael J. Hopkins 4376 (on leave spring term)

***Mathematics 306. Topics in Representation Theory**

Catalog Number: 9397

Nir Avni

***Mathematics 308. Topics in Number Theory and Modular Forms**

Catalog Number: 0464

Benedict H. Gross 1112

***Mathematics 313. Topics in Geometrical Representation Theory - (New Course)**

Catalog Number: 65047

Xinwen Zhu 6373

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965 (on leave fall term)

***Mathematics 316. Topics in Algebraic Topology / Arithmetic Geometry - (New Course)**

Catalog Number: 97966

Kirsten Graham Wickelgren 6374 (spring term only)

***Mathematics 317. Topics in Number Theory and Algebraic Geometry - (New Course)**

Catalog Number: 46444

Joseph David Rabinoff 6356

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975

[*Mathematics 320. Topics in Deformation Theory] - (New Course)

Catalog Number: 84773

Hao Xu 6584 (fall term only) and Hao Xu 6520 (spring term only)

Note: Expected to be given in 2010–11.



***Mathematics 321. Topics in Mathematical Physics**

Catalog Number: 2297

Arthur M. Jaffe 2095

***Mathematics 327. Topics in Several Complex Variables**

Catalog Number: 0409

Yum Tong Siu 7550

***Mathematics 333. Topics in Complex Analysis, Dynamics and Geometry**

Catalog Number: 9401

Curtis T. McMullen 3588

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498

Clifford Taubes 1243 (on leave 2009-10)

***Mathematics 338. Topics in Complex Dynamics - (New Course)**

Catalog Number: 61551

Sarah Colleen Koch 6308

***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108

Peter B. Kronheimer 1759 (on leave spring term)

***Mathematics 346y. Topics in Analysis: Quantum Dynamics**

Catalog Number: 1053

Horng-Tzer Yau 5260

***Mathematics 349. Topics in Algebraic Number Theory**

Catalog Number: 0278

Toby Gee 6018

***Mathematics 350. Topics in Mathematical Logic**

Catalog Number: 5151

Gerald E. Sacks 3862

***Mathematics 351. Topics in Algebraic Number Theory**

Catalog Number: 3492

Richard L. Taylor 1453

***Mathematics 352. Topics in Algebraic Number Theory - (New Course)**

Catalog Number: 86228

Mark Kisin 6281



***Mathematics 356. Topics in Harmonic Analysis**

Catalog Number: 6534

Wilfried Schmid 5097

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647

Shing-Tung Yau 1734

***Mathematics 369. Topics in Derived Algebraic Geometry**

Catalog Number: 3401

Clark Barwick

***Mathematics 372. Topics in Mathematical Relativity**

Catalog Number: 1150

Lydia Rosina Bieri 5794

***Mathematics 373. Topics in Algebraic Topology - (New Course)**

Catalog Number: 49813

Jacob Lurie 5450

***Mathematics 379. Topics in Combinatorics**

Catalog Number: 3390

Lauren K. Williams 5499 (on leave 2009-10)

***Mathematics 381. Introduction to Geometric Representation Theory**

Catalog Number: 0800

Dennis Gaitsgory 5259

***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055

***Mathematics 388. Topics in Mathematics and Biology**

Catalog Number: 4687

Martin A. Nowak 4568

***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604

***Mathematics 394. Topics in Many-Body Quantum System**

Catalog Number: 9143

Jun Yin

***Mathematics 395. Topics in Symplectic, Contact, and Low - Dimensional Topology - (New Course)**



Catalog Number: 10029
Andrew Cotton-Clay

Medical Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Medical Sciences

David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Chair*)

David Lopes Cardozo, Assistant Professor of Neurobiology (*Medical School*) (*Ex Officio*)

Richard T. Born, Professor of Neurobiology (*Medical School*)

Michael C. Carroll, Professor of Pediatrics (*Medical School*)

Constance L. Cepko, Professor of Genetics (*Medical School*)

Susan M. Dymecki, Associate Professor of Genetics (*Medical School*)

Dana Gabuzda, Professor of Neurology (*Medical School*)

Stephen C. Harrison, Giovanni Armenise - Harvard Professor of Basic Biomedical Science, and Professor of Pediatrics (*Medical School*)

Peter M. Howley, Shattuck Professor of Pathological Anatomy (*Medical School*)

David M. Knipe, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)

Michael Starnbach, Professor of Microbiology and Molecular Genetics (*Medical School*)

Shannon Turley, Assistant Professor of Pathology (*Medical School*)

David L. Van Vactor, Professor of Cell Biology (*Medical School*)

Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Rachel I. Wilson, Assistant Professor of Neurobiology (*Medical School*)

The Division of Medical Sciences makes available to graduate students the facilities of the preclinical departments and research laboratories of the Harvard Medical School and its affiliated hospitals and institutions. The Division offers advanced courses and research in cell biology, biological chemistry and molecular pharmacology, genetics, immunology, microbiology and molecular genetics, neurosciences, pathology, physiology, and virology. Qualified undergraduates may be admitted with the permission of the instructor and the student's department of concentration, as far as the facilities of the special laboratories permit. Inquiries should be addressed to the Division of Medical Sciences, Harvard Medical School, 260 Longwood Avenue, Boston, MA 02115, or telephone (617) 432-0162, email address dms@hms.harvard.edu.



For other courses in biological sciences, see listings of the Program in Biological Sciences in Public Health, Biophysics and Molecular and Cellular Biology.

Biological and Biomedical Sciences (BBS)

BBS is an interdepartmental program within the Division of Medical Sciences at Harvard Medical School. BBS faculty are primarily drawn from five preclinical departments of the Medical School and affiliated hospitals: Biological Chemistry and Molecular Pharmacology (BCMP); Cell Biology; Genetics; Human Biology and Translational Medicine (HBTM); Microbiology and Molecular Genetics; and Pathology.

Graduate Courses of Reading and Research

***BBS 333r. Introduction to Research in Biological and Biomedical Sciences**

Catalog Number: 1206

David L. Van Vactor (Medical School) 2089

Note: BBS students register for lab rotations under this course number.

***BBS 380. Reading and Research in Biological and Biomedical Sciences**

Catalog Number: 0349

David L. Van Vactor (Medical School) 2089

Biological Chemistry and Molecular Pharmacology

All courses in Biological Chemistry and Molecular Pharmacology are subject to limitation in enrollment and will not be offered unless there is sufficient demand. For courses in Neuropharmacology, see listings under Neurobiology. For more courses in biochemistry, see other listings in the FAS Biological Sciences section.

Primarily for Graduates

BCMP 200. Molecular Biology

Catalog Number: 5591

Richard Ian Gregory (Medical School), Kami Ahmad (Medical School), Stephen Buratowski (Medical School), Dipanjan Chowdhury, Ralph Scully (Medical School), William Shih (Medical School), Jack Szostak (Medical School), Gerhard Wagner (Medical School), and Johannes Walter (Medical School)

Half course (fall term). M., W., F., 10:30–12.

An advanced treatment of molecular biology's Central Dogma. Considers the molecular basis of information transfer from DNA to RNA to protein, using examples from eukaryotic and prokaryotic systems. Lectures, discussion groups, and research seminars.

Note: Offered jointly with the Medical School as BP 723.0.

Prerequisite: Intended primarily for graduate students familiar with basic molecular biology or with strong biology/chemistry background.



BCMP 201. Proteins: Structure, Function and Catalysis

Catalog Number: 5068

James J. Chou (Medical School), Stephen C. Blacklow (Medical School), Michael J. Eck (Medical School), Frederick P. Roth (Medical School), William Shih (Medical School), and Michael S. Wolfe (Medical School)

Half course (spring term). Tu., Th., 9–10:30, W., 2:30–4.

Protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes. Both fundamental principles and experimental methods will be covered.

Note: The course is intended for all Division of Medical Sciences (DMS) graduate students and is open to advanced undergraduates. Offered jointly with the Medical School as BP 714.0.

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

Catalog Number: 0529 Enrollment: May be limited.

Donald M. Coen (Medical School), and associates.

Half course (spring term). Tu., Th., 3:30–5:30.

Application of molecular and structural biology, genetics, genomics, chemistry, and modern enzymology to drug action and development of new therapies. Analyzes molecular underpinnings of pharmacological principles. Examples drawn from diseases including cancer and AIDS.

Note: Offered jointly with the Medical School as BP 715.0. Primarily for graduate students.

[BCMP 210. Theory and Practice of Techniques in Molecular Biology]

Catalog Number: 1230

Welcome W. Bender (Medical School) and Stanley Tabor (Medical School)

Half course (fall term). M., W., F., 2–4.

Reviews principles of common lab techniques, discusses recent innovations. Topics: synthesis, separation and detection of nucleic acids and proteins, with traditional or high-throughput methods. Lectures, lab experiments, discussions, occasional field trips to core facilities.

Note: Expected to be given in 2010–11. Offered jointly with the Medical School as BP 725.0.

Prerequisite: Prior exposure to molecular techniques and current residence in a lab equipped for molecular work.

[*BCMP 213. Behavioral Pharmacology]

Catalog Number: 4782 Enrollment: Limited to 15.

Jack Bergman (Medical School) and Carol A. Paronis (Medical School)

Half course (spring term). Tu., Th., 3–4:30.

Introduction to CNS pharmacology and behavior in seminar format. Effects of psychomotor stimulants, antischizophrenics, opioid analgesics, and antianxiety agents on behavior. Emphasis on methodology and pharmacological analysis; attention to tolerance, drug dependence/addiction.

Note: Expected to be given in 2010–11. Offered jointly with the Medical School as BP 719.0.

***BCMP 218. Molecular Medicine**

Catalog Number: 2049 Enrollment: Limited to 35.

Irving M. London (Medical School), David E. Cohen (Medical School), and George Q. Daley



(Medical School)

Half course (fall term). Tu., 1–3.

The course involves close reading of primary scientific papers that illustrate classical paradigms in molecular medicine. Emphasis will be placed on papers that demonstrate the connections between defined molecular and genetic abnormalities and disease pathogenesis.

Note: Faculty mentors will guide student-led discussions of the papers. Jointly offered with the Medical School as HT 140.

Prerequisite: Molecular Biology and Biochemistry.

[BCMP 228. Macromolecular NMR]

Catalog Number: 3969

Gerhard Wagner (Medical School) and James J. Chou (Medical School)

Half course (fall term). M., F., 2–3:30.

Theory and practice of modern methods of macromolecular structure determination using multi-dimensional NMR.

Note: Expected to be given in 2010–11. Given in alternate years. Offered jointly with the Medical School as BP 722.0. Classroom lectures on Mondays and Fridays. Wednesdays are reserved for either classroom lectures or practical training and hands-on problem solving. The latter includes basic aspects of spectrometer operation, computer-based assignment of protein NMR spectra and structure calculation. Wednesday slots are reserved for registered students and are open ended for completing the training tasks.

BCMP 230. Principles and Practice of Drug Development

Catalog Number: 1295

Stan Neil Finkelstein (Medical School) and Robert H. Rubin (Medical School)

Half course (fall term). Th., 3–6.

Critical assessment of the major issues and stages of developing a pharmaceutical or biopharmaceutical. Drug discovery, preclinical development, clinical investigation, manufacturing and regulatory issues considered for small and large molecules. Economic considerations of the drug development process.

BCMP 234. Cellular Metabolism and Human Disease

Catalog Number: 9644

Thomas Michel (Medical School), Robert A. Lue and members of the Departments

Half course (spring term). M., W., F., 9–10:30.

Cellular and organismal metabolism, with focus on interrelationships between key metabolic pathways and human disease states. Genetic and acquired metabolic diseases and functional consequences for specific organ systems. Lectures, conferences are integrated with clinical encounters.

Note: Also listed as MCB 234. Lectures for this class are transmitted live to and from electronic classrooms located at HMS and in Cambridge; the inter-campus video link permits real-time interactions between students and faculty at each site. Small conference sections are held on both campuses; weekly clinical encounters take place only at the HMS classroom.

Prerequisite: Knowledge of introductory biochemistry, genetics, and cell biology required (MCB 52 and 54 or equivalent); one year of organic chemistry.



BCMP 235. Principles of Human Disease: Physiology and Pharmacology

Catalog Number: 3769

David E. Golan (Medical School), Julian L. Seifter (Medical School), and Alain Viel

Half course (fall term). M., W., F., 9–10:30.

Principles of human physiology, pathophysiology, and drug action-including mechanisms of organ function in health and disease, and strategies for designing drug-based therapeutic interventions-discussed in lectures, critical readings, clinical case scenarios, and patient presentations.

Note: Students may attend lectures in either Cambridge or Boston as lectures will be transmitted live from HMS to Cambridge and vice versa; the inter-campus link permits real-time interactions among students and faculty at both sites.

Prerequisite: Knowledge of introductory biochemistry, molecular biology, and cell biology required (MCB52 and MCB54 or equivalent); one year of organic chemistry.

Graduate Courses of Reading and Research

***BCMP 300. Enzyme Mechanisms**

Catalog Number: 1867

Christopher T. Walsh (Medical School) 2036

[*BCMP 301. High Throughput Functional Proteomics]

Catalog Number: 1535

Edward E. Harlow (Medical School) 2863

Note: Expected to be given in 2010–11.

[*BCMP 308. Blood Coagulation and Vascular Biology]

Catalog Number: 3950

Bruce Furie (Medical School) 3937

Note: Expected to be given in 2010–11.

***BCMP 309. Regulation of Membrane Protein and Lipid Dynamics: Molecular Mechanisms and Biological Implications**

Catalog Number: 1558

David E. Golan (Medical School) 1558

***BCMP 310. Molecular and Cellular Mechanisms of Insulin Action**

Catalog Number: 4299

Morris F. White (Medical School) 3158

***BCMP 311. Structure of Viruses, Viral Proteins, Receptors, Transcription Factors**

Catalog Number: 3623

Stephen C. Harrison (Medical School) 3597

***BCMP 312. Downregulating DNA Repair: Phosphatases & MicroRNAs - (New Course)**

Catalog Number: 30165

Dipanjan Chowdhury 6266



***BCMP 314. Protein NMR Spectroscopy of Membrane Protein**

Catalog Number: 3449

James J. Chou (Medical School) 4950

***BCMP 315. Growth Factor Structure and Biological Activity**

Catalog Number: 6034

Michael Klagsbrun (Medical School) 3167

***BCMP 316. Signal Transduction and Phosphorylation in Heart Disease - (New Course)**

Catalog Number: 96794

Maria Irene Kontaridis 6398

***BCMP 317. Structural and Cellular Biology of Insulin Signal Transduction, Insulin, Resistance, Diabetes and Obesity**

Catalog Number: 3354

Steven E. Shoelson (Medical School) 3951

***BCMP 318. Innate Immunity Against RNA Viruses - (New Course)**

Catalog Number: 45272

Sun Hur 6403

***BCMP 319. Histone Variants and Chromosome Biology**

Catalog Number: 1748

Kami Ahmad (Medical School) 4592

***BCMP 320. Systems and Synthetic Biology**

Catalog Number: 0265

Pamela A. Silver (Medical School) 1595

***BCMP 322. Thyroid Hormone Metabolism and Action**

Catalog Number: 2050

Antonio C. Bianco (Medical School) 5387

***BCMP 324. Structure and Replication of DNA**

Catalog Number: 5059

Charles C. Richardson (Medical School) 2479

***BCMP 325. Genomic Instability and Cancer Susceptibility**

Catalog Number: 4110

Alan D. D'Andrea (Medical School) 3532

***BCMP 328. Computational Analysis of Sequence Variation and Divergence**

Catalog Number: 2468

Shamil R. Sunyaev (Medical School) 4671



***BCMP 329. Structure Biology of Cytoplasmic Signal Transduction**

Catalog Number: 5005

Michael J. Eck (Medical School) 1739

***BCMP 331. Graduate Research on the Molecular Basis of Neurodegenerative Diseases**

Catalog Number: 9727

Michael S. Wolfe (Medical School) 4543

***BCMP 332. Structural Neurology**

Catalog Number: 0276

Peter T. Lansbury (Medical School) 2115

***BCMP 335. Biochemical and Genetic Analysis of Eukaryotic Gene Expression**

Catalog Number: 8052

Stephen Buratowski (Medical School) 1790

***BCMP 337. Drosophila Molecular Genetics**

Catalog Number: 0782

Welcome W. Bender (Medical School) 7083

***BCMP 338. Eukaryotic Gene Regulation**

Catalog Number: 0549

Kevin Struhl (Medical School) 7415

***BCMP 339. Regulation of the Cellular Uptake of Macromolecular Nutrients**

Catalog Number: 3453

Marianne Wessling-Resnick (Public Health) 1315

***BCMP 340. Biologically Active Small Molecules**

Catalog Number: 8300

Jon Clardy (Medical School) 4667

***BCMP 343. Molecular Genetics of Herpes Viruses**

Catalog Number: 0868

Donald M. Coen (Medical School) 7617

***BCMP 344. Molecular Pharmacology of Excitable Membranes**

Catalog Number: 0200

Gary R. Strichartz (Medical School) 7530

***BCMP 345. Transcription Factors in Hematopoiesis and Leukemogenesis**

Catalog Number: 4792

Alan B. Cantor (Medical School) 5150



***BCMP 348. Chromatin and Cancer**

Catalog Number: 6409

Charles M. Roberts (Medical School) 5151

***BCMP 349. Targeting Deregulated Apoptotic and Transcriptional Pathways in Cancer**

Catalog Number: 1071

Loren D. Walensky (Medical School) 5665

***BCMP 350. Signaling Pathways in Pancreatic Cancer**

Catalog Number: 1254

Nabeel El-Bardeesy (Medical School) 6164

***BCMP 352. Chemical Mediators in Inflammation and Resolution**

Catalog Number: 4853

Charles N. Serhan (Medical School) 3163

***BCMP 353. Epigenomics and Chromatin Systems Biology**

Catalog Number: 8682

Yujiang Shi (Medical School) 5509

***BCMP 354. DNA Replication, Searching Mechanisms of DNA-Binding Factors**

Catalog Number: 6823

Antoine van Oijen (Medical School) 5084

***BCMP 355. Transcriptional Control of Hematopoiesis and Leukemia**

Catalog Number: 4489

Hanno Reinhard Hock (Medical School) 5660

***BCMP 356. NMR Spectroscopy of Proteins and Metabolites**

Catalog Number: 8093

Gerhard Wagner (Medical School) 2626

***BCMP 358. Targeting Apoptosis Regulation in Cancer**

Catalog Number: 6735

Anthony G. Letai (Medical School) 5663

***BCMP 359. Molecular Mechanisms of Signal Transduction**

Catalog Number: 8520

Elaine A. Elion (Medical School) 2941

***BCMP 360. Regulating Skeletal Myogenesis**

Catalog Number: 6934

Andrew B. Lassar (Medical School) 2946



***BCMP 361. X-Ray Crystallographic Studies of Viruses and Proteins**

Catalog Number: 4155

James M. Hogle (Medical School) 2943

***BCMP 362. Eukaryotic Survival Decisions**

Catalog Number: 4972

David E. Fisher (Medical School) 1800

***BCMP 363. The Mechanics and Regulation of Mitosis**

Catalog Number: 4981

David Pellman (Medical School) 3702

***BCMP 366. Stem Cells in Disease and Development**

Catalog Number: 9236

George Q. Daley (Medical School) 4951

***BCMP 370. Advanced Topics in Biological Chemistry and Molecular Pharmacology**

Catalog Number: 0482

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***BCMP 371. Initiation of Eukaryotic DNA Replication: A Biochemical Analysis**

Catalog Number: 3739

Johannes Walter (Medical School) 3846

***BCMP 372. Methods and Applications in Computational Molecular Biology**

Catalog Number: 1638

Frederick P. Roth (Medical School) 3912

[*BCMP 373. Blood Coagulation and Vascular Biology]

Catalog Number: 5747

Barbara C. Furie (Medical School) 3936

Note: Expected to be given in 2010–11.

***BCMP 374. Growth Factors and Signal Transduction**

Catalog Number: 1179

Michael R. Freeman (Medical School) 5169

***BCMP 375. Biomolecular Nanotechnology**

Catalog Number: 3288

William Shih (Medical School) 5256



***BCMP 376. Mechanisms of Action of Antibiotics**

Catalog Number: 3033

Daniel E. Kahne 5065

***BCMP 377. Quantitative Proteomics of Cancer Progression**

Catalog Number: 5225

Jarrold Marto (Medical School) 5326

***BCMP 378. Mechanisms of Hepatic Cholesterol Elimination**

Catalog Number: 6669

David E. Cohen (Medical School) 3478

***BCMP 379. Biochemical and Molecular Regulation of Vascular Growth**

Catalog Number: 9374

Marsha Moses (Medical School) 5388

***BCMP 380. Chemical Approaches to Cell Division**

Catalog Number: 0726

Ulrike Sophie Eggert (Medical School) 5729

***BCMP 381. Functional Small Molecules for Biological Discovery**

Catalog Number: 8841

Nathanael Gray (Medical School) 5730

***BCMP 382. Mechanisms of RNAi in Stem Cells**

Catalog Number: 9601

Richard Ian Gregory (Medical School) 5743

***BCMP 383. Integrated and Functional Genomic Studies of Human Cancer**

Catalog Number: 5334

Levi Alexander Garraway (Medical School) 6203

***BCMP 384. Embryonic stem cells, Nuclear Transfer, Cancer, Reprogramming**

Catalog Number: 5330

Konrad Hochedlinger 6101

Cell Biology

Primarily for Graduates

[Cell Biology 201. Molecular Biology of the Cell](#)

Catalog Number: 1044

Malcolm Whitman (Medical School), and members of the Faculty.

Half course (spring term). M., W., 10:30-12, and sections F., at 10:30-12.

Molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, cell-cell interaction, cell



death, and cellular/biochemical basis of diseases. Methodological focus on light microscopy as a research tool.

Note: Offered jointly with the Medical School as CB 713.0.

Prerequisite: Basic knowledge in biochemistry, genetics and cell biology.

Cell Biology 207. Developmental Biology: Molecular Mechanisms of Vertebrate Development

Catalog Number: 2044 Enrollment: Limited to 25.

Andrew B. Lassar (Medical School), Patricia A. D'Amore (Medical School), Alan J. Davidson (Medical School), John G. Flanagan (Medical School), Jordan A. Kreidberg (Medical School), Richard L. Maas (Medical School), Clifford J. Tabin (Medical School), and Malcolm Whitman (Medical School)

Half course (spring term). Tu., Th., 2–4.

Analyzes the developmental programs of frog, chick, zebrafish, and mouse embryos, emphasizing experimental strategies for understanding the responsible molecular mechanisms that pattern the vertebrate embryo.

Note: Offered jointly with the Medical School as CB 710.0. Includes lectures and conference sessions in which original literature is discussed in depth. Short research proposals are required in lieu of exams.

Cell Biology 211 (formerly Cell Biology 211a). Molecular and Systems Level Cancer Cell Biology

Catalog Number: 5771

Jarrold Marto (Medical School), Piotr Sicinski (Medical School), and Marc Vidal (Medical School)

Half course (spring term). M., W., 12–1:30.

Examines the molecular and systems basis of cancer including alterations in signal transduction, cell cycle, apoptosis and DNA repair.

Note: Alternate years with Cell Biology 212. Offered jointly with the Medical School as CB 704.0.

Prerequisite: General knowledge of biochemistry, molecular genetics, and cell biology.

[Cell Biology 212 (formerly Cell Biology 211b). Molecular Mechanisms of Cancer]

Catalog Number: 4169

James A. DeCaprio (Medical School) and Myles A. Brown (Medical School)

Half course (fall term). M., W., 12–1:30.

Examines the molecular basis of human cancer, including lung, breast, prostate, melanoma and leukemia. Concepts including stem cells, senescence, genomic instability, angiogenesis, oncogenes, tumor suppressors and viruses in human cancer will be examined.

Note: Expected to be given in 2010–11. Alternate years with Cell Biology 211.

Prerequisite: Advanced biochemistry, molecular genetics, and cell biology.

[Cell Biology 214. Developmental Biology and Genetics]

Catalog Number: 3458 Enrollment: Limited to 14.

David L. Van Vactor (Medical School), Spyros Artavanis-Tsakonas (Medical School), and Jarema Malicki (Medical School)



Half course (fall term). W., 4–6, Th., 4:30–6:30.

The course will explore genetic tools for the analysis of developmental phenomena in flies, worms, and mice. We cover a continuum from pattern formation, cell growth, and cell fate to cell differentiation and morphogenesis.

Note: Expected to be given in 2010–11. Offered jointly with the Medical School as CB 720.0.

Contact course director at 617-432-2195 with questions.

Prerequisite: General genetics and developmental biology courses recommended.

[Cell Biology 225. Hormonally Active Pollutants] - (New Course)

Catalog Number: 94802

Joan V. Ruderman (Medical School)

Half course (spring term). Th., 4:30–6:30.

A surprising number of environmental pollutants can mimic or interfere with developmental and physiological effects of steroid hormones. This course examines landmark discoveries and covers current work in this emerging area.

Note: Expected to be given in 2010–11. The first half of this course can be taken independently as a quarter course, Cell Biology 300a. Hormonally Active Pollutants.

Prerequisite: Open to all graduate and medical students, and to advanced undergraduates.

Cell Biology 226. Concepts in Development, Self-Renewal, and Repair

Catalog Number: 8747 Enrollment: Limited to 14.

Laurel A. Raftery (Medical School), Alan J. Davidson (Medical School), Iain A. Drummond (Medical School), Niels Geijsen (Medical School), N. Nanda Nanthakumar (Medical School), Elizabeth A. Perkins (Medical School), and David T. Scadden

Half course (fall term). F., 2–5.

Explores developmental mechanisms through the life cycle, contrasting pluripotency and cell fate restriction in embryos and adult tissues. In depth analysis of in vivo approaches, with emphasis on adult stem cells, tissue repair and self-renewal.

Note: Offered jointly with the Medical School as CB 721.0. For more information visit: www.mgh.harvard.edu/bbs/index.htm

Prerequisite: Upper division cell biology or equivalent.

Graduate Courses of Reading and Research

***Cell Biology 300. Advanced Topics in Cell, Molecular, and Developmental Biology**

Catalog Number: 5825

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.



***Cell Biology 304. Regulation of the Cell Cycle**

Catalog Number: 0414

Joan V. Ruderman (Medical School) 2622

***Cell Biology 305. Bone Cells Differentiation, Function and Signaling - (New Course)**

Catalog Number: 60379

Roland Elie Baron (Dental School) 6397

***Cell Biology 306. Sirtuins, DNA Repair and Metabolic Homeostasis - (New Course)**

Catalog Number: 75486

Raul Mostoslavsky 6402

***Cell Biology 307. Cell-Cell Signaling in Neural Development**

Catalog Number: 1911

John G. Flanagan (Medical School) 3149

***Cell Biology 308. Membrane Biology**

Catalog Number: 6173

Dennis A. Ausiello (Medical School) 1288

***Cell Biology 309. Coupled Interactions in Gene Expression Factories**

Catalog Number: 2523

Robin Reed (Medical School) 2319

***Cell Biology 310. Mechanisms of Vertebrate Hedgehog Signaling**

Catalog Number: 9189

Adrian Salic (Medical School) 5351

***Cell Biology 311. Cardiovascular Signal Transduction**

Catalog Number: 9196

Thomas Michel (Medical School) 4392

***Cell Biology 312. Molecular Mechanisms of Transcriptional Control**

Catalog Number: 8538

Anders Michael Naar (Medical School) 4328

***Cell Biology 313. Systems Biology of Mammalian Signal Transduction - (New Course)**

Catalog Number: 23964

Peter K. Sorger (Medical School) 5544

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School) 1164

[*Cell Biology 315. Biological Information Storage and Exchange]

Catalog Number: 9463



Michael Levin (Dental School) 4560

Note: Expected to be given in 2010–11.

***Cell Biology 316. Mechanism and Function of Intracellular Protein Turnover**

Catalog Number: 1017

Alfred L. Goldberg (Medical School) 2827

***Cell Biology 317. Mechanisms of Programmed Cell Death**

Catalog Number: 2270

Junying Yuan (Medical School) 2105

***Cell Biology 318. Molecular Biology of Cell Growth Regulation and Transformation**

Catalog Number: 3355

John Blenis (Medical School) 2612

***Cell Biology 321. Neuronal Pathfinding and Synaptogenesis**

Catalog Number: 4841

David L. Van Vactor (Medical School) 2089

***Cell Biology 323. Biology of Membranes and Intercellular Junctions**

Catalog Number: 2651

Daniel A. Goodenough (Medical School) 4077

***Cell Biology 326. Signal Transduction During Early Development**

Catalog Number: 1872

Malcolm Whitman (Medical School) 3267

***Cell Biology 328. Receptor-Mediated Endocytosis**

Catalog Number: 0438

Tomas Kirchhausen (Medical School) 1155

***Cell Biology 329. The Ubiquitin-Proteasome Pathway**

Catalog Number: 6826

Daniel Finley (Medical School) 2313

***Cell Biology 330. Experimental Approaches to Developmental Biology**

Catalog Number: 6590 Enrollment: Limited to 16.

David L. Van Vactor (Medical School), Amy J. Wagers (Medical School) and members of the Division.

Half course (fall term; repeated spring term). M., through Sa., 9-9 p.m. over two week period in January.

Provides a rapid survey of major topics and themes in developmental biology in parallel with hands-on exposure to a variety of experimental approaches, technologies and model systems (*Drosophila*, *C. elegans*, *Xenopus*, chick & mouse).

Note: Open to all first-year BBS students; permission of the instructor required for all others.



***Cell Biology 331. Mechanochemical Regulation of Cytoskeleton Dynamics - (New Course)**

Catalog Number: 86511

Gaudenz Danuser 6527

***Cell Biology 332. Mass Spectrometry and Proteomics**

Catalog Number: 1568

Steven P. Gygi (Medical School) 3939

***Cell Biology 333. Electron Crystallographic Structure Determination of Leukotriene**

Catalog Number: 9254

Thomas Walz (Medical School) 3778

***Cell Biology 335. Signal Transduction**

Catalog Number: 2542

Lewis C. Cantley (Medical School) 1287

***Cell Biology 336. Signal Transduction in Normal and Transformed Cells**

Catalog Number: 6833

Joan S. Brugge (Medical School) 1486

***Cell Biology 339. Cell Morphogenesis and Regulation**

Catalog Number: 3898

Marc W. Kirschner (Medical School) 1078

***Cell Biology 340. Dissection of Angiogenic Signaling in Zebrafish**

Catalog Number: 7792

Joanne Chan (Medical School) 5391

***Cell Biology 341. Centriole, Centrosome and Cilium: Biogenesis, Function and Evolution**

Catalog Number: 5693

Tomer Avidor-Reiss (Medical School) 5352

***Cell Biology 342. Cytoskeleton in Development and Cancer**

Catalog Number: 4059

Sheila Thomas (Medical School) 3777

***Cell Biology 343. Mechanisms of Mammalian Cell Differentiation and Gene Expression**

Catalog Number: 0202

Bruce M. Spiegelman (Medical School) 7733

***Cell Biology 344. Molecular Mechanism of Signal Transduction**

Catalog Number: 6093

Xi He (Medical School) 2004



***Cell Biology 345. Protein Transport Across the Endoplasmic Reticulum Membrane**

Catalog Number: 6793

Tom Rapoport (Medical School) 1815

***Cell Biology 346. Belief Options for Practicing Scientists**

Catalog Number: 1591

Andrius Kazlauskas (Medical School) 2088

***Cell Biology 347. Cellular and Molecular Aspects of Insulin Action**

Catalog Number: 1494

C. Ronald Kahn (Medical School) 2019

***Cell Biology 349. Gene Silencing and Chromosome Structure**

Catalog Number: 8765

Danesh Moazed (Medical School) 4254

***Cell Biology 351. Cardiovascular Stem Cells in Development and Disease**

Catalog Number: 7604

Kenneth R. Chien 5667

***Cell Biology 353. Regulation of Epithelial Morphogenesis by TGF-beta Family Signaling**

Catalog Number: 8239

Laurel A. Raftery (Medical School) 8686

***Cell Biology 354. Basic and Applied Mechanisms of Intracellular Transport**

Catalog Number: 7605

Victor Wee Hsu (Medical School) 2606

***Cell Biology 356. Cell Growth Regulation, Telomere Maintenance and Human Diseases**

Catalog Number: 3718

Kun Ping Lu (Medical School) 2607

***Cell Biology 358. Mechanisms of Tumor Metastasis**

Catalog Number: 0606

Bruce R. Zetter (Medical School) 7737

***Cell Biology 359. Intracellular Signaling Pathways in the Regulation of Cell Growth and Differentiation**

Catalog Number: 0335

David A. Frank (Medical School) 3276

Cell Biology 360. Regulation and Execution of Apoptosis during Development in *Drosophila

Catalog Number: 6046

Kristin White (Medical School) 3955



***Cell Biology 361. Matrix Biology, Cell-Matrix Interactions in Health and Disease**

Catalog Number: 5561

Raghu Kalluri (Medical School) 4945

***Cell Biology 362. Molecular Basis of Pulmonary Hypertension, Hypoxia, Inflammation, and Stem Cell Biology**

Catalog Number: 4662

Stella Kourembanas (Medical School) 4958

***Cell Biology 364. The Structure of the Nucleus and the Dynamics of Nuclear Transport**

Catalog Number: 3582

Frank D. McKeon (Medical School) 1990

***Cell Biology 369. Genetics, Epigenetics, Molecular Biology, Chromatin**

Catalog Number: 1452

Andrew J. Chess (Medical School) 5662

***Cell Biology 370. Mitotic Kinases, Chromatin and Chromosome Segregation**

Catalog Number: 0661

Jonathan M. G. Higgins (Medical School) 5543

***Cell Biology 371. Nutrient Sensing and Metabolic Control**

Catalog Number: 5804

Pere B. Puigserver (Medical School) 5735

***Cell Biology 372. Cytoskeletal Dynamics**

Catalog Number: 5032

Timothy J. Mitchison (Medical School) 3713

***Cell Biology 373. Molecular Genetics of Cell Interaction in Development**

Catalog Number: 8133

Spyros Artavanis-Tsakonas (Medical School) 2609

***Cell Biology 376. Chemical Approaches to Cell Division and Cancer**

Catalog Number: 7680

Randy King (Medical School) 3941

***Cell Biology 377. Stem Cells, Islet Cell Function, Growth and Development**

Catalog Number: 7966

Rohit N. Kulkarni (Medical School) 5152

***Cell Biology 378. Bacterial Toxin Entry and Immunoglobulin Transport in Mucosal Epithelial Cells**

Catalog Number: 7656

Wayne I. Lencer (Medical School) 5153



***Cell Biology 379. BMP Signaling in Organogenesis**

Catalog Number: 2894

Vicki Rosen (Dental School) 4790

***Cell Biology 380. Cytoskeletal Mechanics of Blood Platelet Production**

Catalog Number: 9706

Joseph E. Italiano (Medical School) 5392

***Cell Biology 381. Molecular Mechanism of Microtubule-based Motility**

Catalog Number: 8578

Samara Louise Reck-Peterson (Medical School) 6165

***Cell Biology 383. Molecules and Pathways that Control Instinctive Behaviors**

Catalog Number: 8119

Stephen Daniel Liberles (Medical School) 6159

***Cell Biology 399. Nanocourses**

Catalog Number: 0087

David Lopes Cardozo (Medical School) 5995 and Spyros Artavanis-Tsakonas (Medical School) 2609

Developmental and Regenerative Biology

Graduate Course

***Developmental & Regenerative Biology 310. Blood Stem Cell Development and Regeneration - (New Course)**

Catalog Number: 35575

Trista Elizabeth North 6515

***Developmental & Regenerative Biology 311. Cardiovascular Stem Cell Biology - (New Course)**

Catalog Number: 50682

Caroline Erter Burns 6516

***Developmental & Regenerative Biology 312. Epigenetic Modifications and Cellular Identity - (New Course)**

Catalog Number: 65789

Alexander Meissner 6702

***Developmental & Regenerative Biology 313. Liver Development, Regeneration and Carcinogenesis - (New Course)**

Catalog Number: 14267

Wolfram Goessling 6563



***Developmental & Regenerative Biology 314. Molecular and Developmental Neurobiology - (New Course)**

Catalog Number: 80896

Paola Arlotta 6703

***Developmental & Regenerative Biology 315. Molecular Genetics of Organ Development - (New Course)**

Catalog Number: 29374

Susan Mango 6386

[*Developmental & Regenerative Biology 316. Stem Cells and Organ Size Control] - (New Course)

Catalog Number: 96003

Fernando D. Camargo 6401

Note: Expected to be given in 2010–11.

***Developmental & Regenerative Biology 317. Stem cells, Cancer, and Hematological Disorders - (New Course)**

Catalog Number: 44481

Catherine T. Yan 6517

Genetics

Primarily for Graduates

Genetics 201. Principles of Genetics

Catalog Number: 4225

Fred Winston (Medical School), Ann Hochschild (Medical School), and Mitzi I. Kuroda (Medical School)

Half course (fall term). M., W., F., 9–10:30.

An in-depth survey of genetics, beginning with basic principles and extending to modern approaches and special topics. We will draw on examples from various systems, including yeast, *Drosophila*, *C. elegans*, mouse, human and bacteria.

Note: Intended for first-year graduate students. Offered jointly with the Medical School as GN 701.0.

Genetics 202. Principles of Genetic Analysis in Humans

Catalog Number: 8064 Enrollment: Limited to 30.

Raju Kucherlapati (Medical School) and members of the Department

Half course (spring term). Tu., Th., 10:30–12.

Comprehensive examination of the principles of human inheritance, in the context of both normal human variation and disease. Topics include human genome structure, sequence variation, population genetics, complex traits, association studies, and pharmacogenetics.

Prerequisite: Genetics 201 (or permission of the instructor) and basic knowledge of probability and statistics. Familiarity with bioinformatics and computational tools will be useful, but tutorial assistance will be provided where necessary.



Genetics 216. Advanced Topics in Gene Expression

Catalog Number: 2244

Robert E. Kingston (Medical School) and Fred Winston (Medical School)

Half course (spring term). Tu., 1–4.

Covers both biochemical and genetic studies in regulatory mechanisms. Small number of topics discussed in depth, using the primary literature. Topics range from prokaryotic transcription to eukaryotic development.

Note: Offered jointly with the Medical School as GN 703.0.

Prerequisite: BCMP 200 and Genetics 201.

Genetics 219. Inheritance - (New Course)

Catalog Number: 14189

Chao-Ting Wu (Medical School), Kamran Ahmad (Medical School), David Emil Reich (Medical School) and members of the Department

Half course (fall term). Tu., 10–1.

Lectures/discussions will focus on surprising patterns of inheritance, including those resulting from chromosome rearrangements (CNVs, translocations, etc.) and phenomena that were recently considered extraordinary but are now recognized as general paradigms spanning fungi to humans.

Prerequisite: Primarily for first-year graduate students, but is open to medical students and advanced undergraduates. A basic understanding of genetics recommended.

Genetics 220. Molecular Biology and Genetics in Modern Medicine

Catalog Number: 4660

Anne Giersch (Medical School)

Half course (fall term). F., 9:30–12:30, Tu., Th., 2–5.

Scientific, clinical, and ethical aspects of modern human genetics and molecular biology as applied to medicine. Covers genetic approaches and molecular underpinnings of inherited diseases and somatic/genetic diseases are integrated with patient presentations, discussions.

Note: Offered jointly with the Medical School as HT 160.

Genetics 228. Genetics in Medicine - From Bench to Bedside

Catalog Number: 9840 Enrollment: Limited to 15.

Susan A. Slaugenhaupt (Medical School) and Christopher Holmes Newton-Cheh

Half course (fall term). F., 2–5.

Focus on translational medicine: the application of basic genetic discoveries to human disease. Will discuss specific genetic disorders and the approaches currently used to speed the transfer of knowledge from the laboratory to the clinic.

Note: Course will include clinical presentations and lectures by investigators known for their work in a specific disease area. Course will be held at MGH (transportation provided to MGH). Offered jointly with the Medical School as GN 711.0. For more information visit:

www.mgh.harvard.edu/bbs.

Prerequisite: Genetics 201 or equivalent.

Graduate Courses of Reading and Research



***Genetics 300. Advanced Topics in Genetics**

Catalog Number: 1037

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

[*Genetics 301. Research in Molecular Genetics and Molecular Oncology]

Catalog Number: 4780

Philip Leder (Medical School) 7527

Note: Expected to be given in 2010–11.

***Genetics 303. Pathogenesis**

Catalog Number: 1972

Frederick Ausubel (Medical School) 4639

***Genetics 304. Molecular Genetics Basis of Human Disease, Particularly Cardiovascular Pathogenesis**

Catalog Number: 0693

Christine E. Seidman (Medical School) 3013

***Genetics 305. Genetics, Receptors and Ion Channels**

Catalog Number: 9027

Jing Zhou (Medical School) 3779

***Genetics 306. Inherited Human Disorders**

Catalog Number: 7324

Jonathan G. Seidman (Medical School) 7529

***Genetics 308. Molecular Biology of Signal Transduction**

Catalog Number: 5616

Brian Seed (Medical School) 7619

***Genetics 309. Gene Expression in Yeast**

Catalog Number: 3763

Fred Winston (Medical School) 7877

***Genetics 310. Molecular Approaches to Developmental Neurobiology**

Catalog Number: 6324

Constance L. Cepko (Medical School) 1150



***Genetics 311. Molecular Mechanisms of Transcription Regulation in Mammals**

Catalog Number: 7310

Robert E. Kingston (Medical School) 1153

***Genetics 312. Molecular Genetics of Development**

Catalog Number: 8363

Gary B. Ruvkun (Medical School) 1366

***Genetics 313. Genomic Approaches to Human Disease Genetics**

Catalog Number: 6059

David M. Altshuler (Medical School) 4307

***Genetics 314. Structure and Activities of Ribozymes**

Catalog Number: 7244

Jack Szostak (Medical School) 7096

***Genetics 315. Molecular Genetics of Inherited Disorders**

Catalog Number: 3362

James Gusella (Medical School) 1152

***Genetics 316. Transcriptional Regulatory Network Analyses**

Catalog Number: 2247

Martha L. Bulyk (Medical School) 4259

***Genetics 317. Signaling Networks in Development and Disease**

Catalog Number: 2271

Jordan A. Kreidberg (Medical School) 2080

***Genetics 318. Genome Structure**

Catalog Number: 5012

George M. Church (Medical School) 1608

***Genetics 319. Mouse Models of Human Disorders**

Catalog Number: 0860

David R. Beier (Medical School) 3519

***Genetics 320. Genetics of Common Human Disease - (New Course)**

Catalog Number: 39071

Mark Joseph Daly 6519

***Genetics 321. Genetics of Embryonic Development in Drosophila**

Catalog Number: 6501

Norbert Perrimon (Medical School) 1679



***Genetics 322. Vertebrate Pattern Formation**

Catalog Number: 0436

Clifford J. Tabin (Medical School) 2430

***Genetics 323. Molecular Biology of V(D)J Recombination**

Catalog Number: 6950

Marjorie A. Oettinger (Medical School) 3172

***Genetics 324. Genetic Basis of Human Complex Diseases - (New Course)**

Catalog Number: 54178

Paul I Wen de Bakker 6404

***Genetics 325. Human Genetics, Genomics and Complex Traits**

Catalog Number: 8275

Joel N. Hirschhorn (Medical School) 4321

***Genetics 326. Human, Molecular and Mouse Genetics**

Catalog Number: 2900

David J. Kwiatkowski (Medical School) 3770

***Genetics 327. Systems Biology of Mammalian Cell Fate Decisions - (New Course)**

Catalog Number: 69285

Suzanne Gaudet (Medical School) 6183

***Genetics 328. Lymphocyte Differentiation, Recombination, and Nuclear Oncogenes**

Catalog Number: 2702

Frederick W. Alt (Medical School) 3146

***Genetics 329. Genetic Analysis of Synaptic Transmission**

Catalog Number: 9734

Joshua M. Kaplan (Medical School) 3522

***Genetics 330. Critical Thinking and Research Proposal Writing**

Catalog Number: 0210 Enrollment: Limited to 20.

*Monica P. Colaiacovo (Medical School) 4949 and members of the Faculty
Half course (spring term). Hours to be arranged.*

A small group tutorial systematically guiding students in the writing of original, hypothesis-driven research proposals from initial topic selection through completion of a final draft.

Note: Open to all BBS students; others need permission of the instructor.

Prerequisite: Core course in genetics, cell biology, molecular biology, or biochemistry.

***Genetics 331. Developmental Oncobiology and Cancer Stem Cells - (New Course)**

Catalog Number: 17763

Zhe Li 6408



***Genetics 332. Combining Genetic and Biochemical Approaches to Dissect Tumor Suppressor Gene Function**

Catalog Number: 2975

Karen M. Cichowski (Medical School) 3932

***Genetics 334. Genomics and the Genetics of Human Disease**

Catalog Number: 5144

Raju Kucherlapati (Medical School) 4324

***Genetics 335. Epigenetics, Homology Effects, Genetics, and Gene Regulation**

Catalog Number: 4982

Chao-Ting Wu (Medical School) 3535

***Genetics 336. Developmental Biology of Hematopoiesis**

Catalog Number: 7165

Leonard I. Zon (Medical School) 1137

***Genetics 337. Human Molecular Genetics**

Catalog Number: 7194

Stuart H. Orkin (Medical School) 7402

[*Genetics 340. A Genetic Approach to Iron Biology]

Catalog Number: 2936

Nancy Andrews (Medical School) 1589

Note: Expected to be given in 2010–11.

***Genetics 341. Development and Homeostasis of the Skeleton**

Catalog Number: 8874

Matthew L. Warman (Dental School) 5875

***Genetics 342. Genetic Analysis of Zebrafish Kidney Organogenesis**

Catalog Number: 4498

Iain A. Drummond (Medical School) 5350

***Genetics 344. Computational Genomics**

Catalog Number: 2125

Peter J. Park (Medical School) 5917

***Genetics 350. Genetic Regulation of Organogenesis and Organ Regeneration**

Catalog Number: 4974

Richard L. Maas (Medical School) 3703

***Genetics 351. Drosophila, a Model Genetic System to Study Signal Transduction**

Catalog Number: 4998

Lizabeth A. Perkins (Medical School) 1604



***Genetics 353. Genetics of Human Disease**

Catalog Number: 6608

Susan A. Slaughaupt (Medical School) 5483

***Genetics 354. Integrative Genomics of Cancer and Development - (New Course)**

Catalog Number: 53387

Isaac S. Kohane (Medical School) 4531

***Genetics 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253

Alan H. Beggs (Medical School) 1422

***Genetics 357. Lung Stem Cell Biology and Cancer**

Catalog Number: 9494

Carla Kim (Medical School) 5742

***Genetics 358. Mammalian Embryonic Patterning**

Catalog Number: 8297

Susan M. Dymecki (Medical School) 1736

***Genetics 359. Cancer and Development, Thrombopoiesis, Intestinal Development**

Catalog Number: 9880

Ramesh Arjun Shivdasani (Medical School) 4538

***Genetics 360. Microtubule Associated RNAs During Mitosis**

Catalog Number: 5677

Michael Demian Blower (Medical School) 5733

***Genetics 361. Mechanism of X-inactivation in Mammals**

Catalog Number: 9152

Jeannie T. Lee (Medical School) 2129

***Genetics 362. Molecular Biology and Genetics of Cancer**

Catalog Number: 9382

David Morse Livingston (Medical School) 4872

[*Genetics 363. Cell Polarity in the Vertebrate Embryo]

Catalog Number: 8658

Instructor to be determined

Note: Expected to be given in 2010–11.

***Genetics 364. Development Application of Mammalian Vectors**

Catalog Number: 7930

Richard C. Mulligan (Medical School) 2274



***Genetics 365. Organogenesis of the Kidney**

Catalog Number: 9059

Alan J. Davidson (Medical School) 5668

***Genetics 366. Molecular Genetic Approaches to Human Disease Mechanisms**

Catalog Number: 8153

Marcy E. MacDonald (Medical School) 2635

***Genetics 367. Mechanisms Governing Normal Cell Growth, Cancer and Aging**

Catalog Number: 2500

Ronald A. DePinho (Medical School) 2637

***Genetics 369. Molecular Mechanisms of Plant Signal Transduction**

Catalog Number: 3010

Jen Sheen (Medical School) 3892

***Genetics 370. Molecular Basis of Breast Cancer Initiation and Progression**

Catalog Number: 4519

Kornelia Polyak (Medical School) 3898

***Genetics 371. To Generate a Comprehensive Protein-Interaction Map for *C. elegans* and Develop New Concepts to Integrate this Map with Other Functional Maps such as Expression Profiles and Global Phenotypic Analysis**

Catalog Number: 2190

Marc Vidal (Medical School) 3914

***Genetics 373. Kidney Disease, Genetics, Cytoskeleton**

Catalog Number: 3875

Martin R. Pollak (Medical School) 4329

***Genetics 374. Research On Mechanisms Underlying Meiotic Chromosome Segregation**

Catalog Number: 4419

Monica P. Colaiacovo (Medical School) 4949

***Genetics 375. Genomics of Leukemia**

Catalog Number: 2335

Scott A. Armstrong (Medical School) 4947

***Genetics 376. Cell Cycle Control and Genomic Integrity**

Catalog Number: 3788

Stephen J. Elledge (Medical School) 4954

***Genetics 377. Molecular Genetics of Chromosome Organization and Gene Expression**

Catalog Number: 0811

Mitzi I. Kuroda (Medical School) 4959



***Genetics 379. Applying Population Genetics to Find Disease Genes**

Catalog Number: 1677

David Emil Reich (Medical School) 4965

***Genetics 380. Molecular Approaches to Metabolism and Energy Balance**

Catalog Number: 4688

Evan David Rosen (Medical School) 4966

***Genetics 381. Genetics of Psychiatric Disorders**

Catalog Number: 1377

Pamela B. Sklar (Medical School) 5154

***Genetics 382. Muscle Stem Cell Commitment and Differentiation**

Catalog Number: 2626

Emanuela Gussoni (Medical School) 5155

***Genetics 383. Germ Cell Development, Pluripotency and Epigenetic Reprogramming**

Catalog Number: 2862

Niels Geijsen (Medical School) 5386

***Genetics 384. Cardiogenesis and Cardiac Morphogenesis**

Catalog Number: 7079

William T. Pu (Medical School) 5396

***Genetics 386. Models of Cardiac Development and Disease**

Catalog Number: 1127

John David Mably (Medical School) 6160

***Genetics 387. Stem Cells and Developmental Biology**

Catalog Number: 4080

Chad A. Cowan 6099

***Genetics 390. Experimental Approaches in Genetic Analysis**

Catalog Number: 8039 Enrollment: Limited to 8.

Fred Winston (Medical School) 7877 and members of the Department

A survey of major themes in genetics combined with exposure to various experimental techniques, technologies, and model systems. Combines lectures and hands-on laboratory activities emphasizing experimental methods, hypothesis generation and testing, and data analysis.

Note: Limited to 8 students. Priority will be given to first year graduate students. Students must first contact Sarah Wojiski (sarah.wojiski@hms.harvard.edu) or 2-7468 for enrollment approval prior to registration for the course. Meeting Dates/Times: Approximately 8:30 am-7:00 pm each day for 14 days in January.

Prerequisite: Students must also enroll in, or have taken Genetics 201.

Human Biology and Translational Medicine



Human Biology and Translational Medicine (HBTM) focuses on providing rigorous multidisciplinary training in the fundamental mechanisms and essential methodologies of human biology and disease-oriented research, and in the translation of these discoveries into advances in the diagnosis, prevention, and treatment of human disease.

Graduate Courses of Reading and Research

***Human Biology and Translational Medicine 300. Advanced Topics in Human Biology and Translational Medicine**

Catalog Number: 4302

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at TMEC 435, 260 Longwood Avenue, Boston.

***Human Biology and Translational Medicine 302. Molecular Cellular Pathophysiology of Ion Transport**

Catalog Number: 3462

Seth L. Alper (Medical School) 1275

***Human Biology and Translational Medicine 303. Cystic Fibrosis and Fatty Acid Metabolism**

Catalog Number: 5376

Steven D. Freedman (Medical School) 5921

***Human Biology and Translational Medicine 304. Resolution of Lung Inflammation and Injury**

Catalog Number: 1421

Bruce D. Levy (Medical School) 5922

***Human Biology and Translational Medicine 305. Endothelial Cell, Nitric Oxide, Proteomic Redox Regulation**

Catalog Number: 9077

Joseph Loscalzo (Medical School) 5923

***Human Biology and Translational Medicine 306. Cardiovascular Disease, Diabetes, Biomarkers, Women's Health**

Catalog Number: 2876

JoAnn Manson (Medical School) 5924

***Human Biology and Translational Medicine 307. Signal Transduction in Heart Failure and Atherosclerosis**



Catalog Number: 1294
Anthony Rosenzweig (Medical School) 5925

***Human Biology and Translational Medicine 308. Cancer Biology: Metabolism**

Catalog Number: 5913
Vikas P. Sukhatme (Medical School) 1835

***Human Biology and Translational Medicine 309. Energy Metabolism and Metabolic Signaling**

Catalog Number: 4331
Rong Tian (Medical School) 5926

***Human Biology and Translational Medicine 310. Bioimaging, Nanomaterials and Systems Biology**

Catalog Number: 4536
Ralph Weissleder (Medical School) 5927

***Human Biology and Translational Medicine 311. Kidney Injury and Repair**

Catalog Number: 2495
Joseph Vincent Bonventre (Medical School) 5957

***Human Biology and Translational Medicine 312. The Development, Physiology, and Pathophysiology of GnRH Neurons in Humans**

Catalog Number: 7114
William Francis Crowley (Medical School) 5958

***Human Biology and Translational Medicine 313. Epidemiology of Chronic Diseases**

Catalog Number: 2036
Gary Craig Curhan (Medical School) 5959

***Human Biology and Translational Medicine 314. Skin Immunology T Cell Trafficking Lymphoma**

Catalog Number: 2368
Thomas Seth Kupper (Medical School) 5960

***Human Biology and Translational Medicine 315. Hypothalamic Gene Function and Regulation**

Catalog Number: 1577
Joseph A. Majzoub (Medical School) 1875

***Human Biology and Translational Medicine 316. Innovative Medical Devices and Procedures**

Catalog Number: 9233
John Albert Parrish (Medical School) 5961



***Human Biology and Translational Medicine 317. Adhesion, Integrins, Hematopoiesis, Kidney Genetics**

Catalog Number: 5746

M. Amin Arnaout (Medical School) 1822

***Human Biology and Translational Medicine 318. Steroid Hormone Receptors and Prostate Cancer**

Catalog Number: 7992

Steven Paul Balk (Medical School) 6166

***Human Biology and Translational Medicine 319. Molecular Regulation of Granulocyte Differentiation**

Catalog Number: 4496

Nancy Berliner (Medical School) 6167

***Human Biology and Translational Medicine 320. Endothelial Progenitors in Health Disease**

Catalog Number: 8324

Joyce E. Bischoff (Medical School) 1448

***Human Biology and Translational Medicine 321. Cardiac Regeneration and Repair**

Catalog Number: 2455

Richard Theodore Lee (Medical School) 6168

***Human Biology and Translational Medicine 322. Cardiac Repair and Regeneration**

Catalog Number: 4398

Ronglih Liao (Medical School) 6169

***Human Biology and Translational Medicine 323. Cardiovascular Biology in Human and Zebrafish**

Catalog Number: 5160

Calum Archibald MacRae (Medical School) 6170

***Human Biology and Translational Medicine 324. Engineering of Human Antibodies**

Catalog Number: 3910

Wayne A. Marasco (Medical School) 6171

***Human Biology and Translational Medicine 325. Genetics of Blood Development**

Catalog Number: 7279

Barry Htin Paw (Medical School) 6172

***Human Biology and Translational Medicine 326. Human Genetics of Neuroinflammatory and Neurodegenerative Disorders**

Catalog Number: 1515

Philip Lawrence De Jager (Medical School) 6233



***Human Biology and Translational Medicine 327. Translational Research on Kinase Inhibitors**

Catalog Number: 0138

Pasi Antero Janne (Medical School) 6234

***Human Biology and Translational Medicine 328. Translational Immunology In Immunocompromised Hosts**

Catalog Number: 8917

Ofer Levy (Medical School) 6236

***Human Biology and Translational Medicine 329. Developing Targeted Therapies for Cancer**

Catalog Number: 6232

Jeffrey Adam Engelman (Medical School) 6225

***Human Biology and Translational Medicine 330. Developmental Biology/Genetics (Congenital Anomalies, Cancer)**

Catalog Number: 8982

Patricia K. Donahoe (Medical School) 3252

***Human Biology and Translational Medicine 331. Tumor Microenvironment, Angiogenesis and Metastasis: From Bench-to-Bedside and Back**

Catalog Number: 8347

Rakesh K. Jain (Medical School) 2079

***Human Biology and Translational Medicine 340. (LHB). Disease-Centered Tutorial Clinics**

Catalog Number: 8640 Enrollment: Limited to LHB students only.

Jordan A. Kreidberg (Medical School) 2080

***Human Biology and Translational Medicine 341. Gene Regulation of Metabolism in Cardiovascular Health and Disease - (New Course)**

Catalog Number: 99499

Zoltan Pierre Arany 6409

***Human Biology and Translational Medicine 342. Research in Hematology and Oncology - (New Course)**

Catalog Number: 47977

Benjamin L. Ebert 6410

***Human Biology and Translational Medicine 343. Complex Trait Genetics of Blood Pressure and QT Interval Variation - (New Course)**

Catalog Number: 63084

Christopher Holmes Newton-Cheh 6270



***Human Biology and Translational Medicine 344. Biology of Hematopoietic Stem Cells - (New Course)**

Catalog Number: 11562

David Allen Williams 6460

Immunology

All courses in Immunology are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

***Immunology 201. Principles of Immunology**

Catalog Number: 8337 Enrollment: Limited to 50.

Michael C. Carroll (Medical School), Ulrich H. Von Andrian-Werburg (Medical School) and members of the Faculty

Half course (fall term). Tu., Th., 1:30-3, with section Tu., Th., 3-4.

Comprehensive core course in immunology. Topics include a broad but intensive examination of the cells and molecules of the immune system. Special attention given to the experimental approaches that led to general principles of immunology.

Note: Intended for students who have had prior exposure to immunology on the undergraduate level. In the absence of such exposure, students *must* obtain the permission of the Course Director. Offered jointly with the Medical School as IM 702.0.

Prerequisite: A background in genetics and biochemistry strongly recommended.

Immunology 202. Advanced Principles of Immunology

Catalog Number: 5674

D. Branch Moody (Medical School) and Martin E. Hemler (Medical School)

Half course (spring term). Tu., Th., 1:30-4.

Continuation of Immunology 201 as an intensive core course in fundamentals of the immune system. Emphasis on systems of immunity. Critical reading of primary literature.

Note: Offered jointly with the Medical School as IM 712.0.

Prerequisite: Immunology 201 or its equivalent.

Immunology 204. Critical Readings for Immunology

Catalog Number: 9563

Shannon Turley (Medical School) and Carl D. Novina (Medical School)

Half course (spring term). Th., 10-1.

Original research articles from fields including immunology, biochemistry, genetics, and cell and developmental biology will be critically analyzed in an intensive small group format. Grading will be based on class participation and oral presentations.

Note: Required for first-year immunology students, open to second-year immunology students. No auditors. Offered jointly with the Medical School as IM 703.0.



***Immunology 219. The Primary Immunodeficiencies**

Catalog Number: 1873

Cox Terhorst (Medical School), Raif S. Geha (Medical School), and Luigi D. Notarangelo (Medical School)

Half course (spring term). Th., 5–7 p.m.

This course discusses the mechanisms that underlie the pathogenesis of genetically determined primary immunodeficiencies and selected autoimmune diseases. Evaluates the use of animal models for study and therapy of human disease states.

Note: Offered jointly with the Medical School as IM 729.0.

Prerequisite: Course in basic immunology.

Graduate Courses of Reading and Research

Primarily designed for work on a dissertation problem, carried out under the supervision of the following faculty members whose special research interests are listed.

***Immunology 300. Advanced Topics in Immunology**

Catalog Number: 4739

David Lopes Cardozo (Medical School) 5995

Reading and discussion seminars each running for a half term (7 weeks). Two seminars, which can be taken in different terms, are required for credit. Topics include the role of intracellular and transmembrane protein phosphates in signal transduction.

Note: Intended for first- and second-year Immunology graduate students. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Call 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Immunology 301. Immunology Seminar**

Catalog Number: 4971 Enrollment: Limited to 20.

Michael C. Carroll (Medical School) 2050

Gives students exposure to research topics in Immunology. Students prepare for the weekly seminar through readings and occasional discussion with the seminar speakers. These discussions are facilitated by members of the Committee on Immunology.

Note: Intended for first- and second-year Immunology graduate students.

***Immunology 302. Molecular Basis of Humoral Immunologic Inflammation**

Catalog Number: 1355

K. Frank Austen (Medical School) 1571

***Immunology 303. Immunity to Tuberculosis**

Catalog Number: 9490

Samuel M. Behar (Medical School) 4570

[*Immunology 306. Immunochemical Aspects of Immune Reactions]

Catalog Number: 1536

Stuart F. Schlossman (Medical School) 3593

Note: Expected to be given in 2010–11.



***Immunology 307. Immunobiology of Transplantation**

Catalog Number: 1609

Charles B. Carpenter (Medical School) 2016

***Immunology 308. Gene Regulation in the Immune Response**

Catalog Number: 6895

Anjana Rao (Medical School) 1854

***Immunology 309. Molecular Aspects of Lymphocyte Interactions**

Catalog Number: 3778

Cox Terhorst (Medical School) 6280

***Immunology 314. Immunobiology of Antigen-Antibody Complexes**

Catalog Number: 8065

Peter H. Schur (Medical School) 4551

***Immunology 315. Immunoregulation**

Catalog Number: 5540

Martin E. Dorf (Medical School) 4541

***Immunology 316. Molecular Basis of Immunologic Recognition and Communication**

Catalog Number: 3192

Harvey Cantor (Medical School) 4460

***Immunology 317. Molecular Biology of Receptor Transduction in the Immune System**

Catalog Number: 0518

Brian Seed (Medical School) 7619

***Immunology 319. Molecular Basis of Cell Adhesion and Migration**

Catalog Number: 0293

Timothy A. Springer (Medical School) 6145

***Immunology 323. Research in Molecular Immunology**

Catalog Number: 3425

Laurie H. Glimcher (Public Health) 1362

***Immunology 324. T-cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 1905

Christophe O. Benoist (Medical School) 3928

***Immunology 325. Immune Cell Interactions Controlling T Cell Effector Function**

Catalog Number: 1078

Thorsten Roman Mempel (Medical School) 6173

***Immunology 326. Human T-cell Antigen Receptor; Human Lymphocyte Differentiation Antigens**



Catalog Number: 6719
Ellis L. Reinherz (Medical School) 1408

***Immunology 327. Chemical Cell Biology**
Catalog Number: 0824
Stuart L. Schreiber 2166

***Immunology 328r. Introduction to Research**
Catalog Number: 5531
Michael C. Carroll (Medical School) 2050

***Immunology 329. Basic and Clinical Mechanisms of Autoimmunity**
Catalog Number: 0354
Howard L. Weiner (Medical School) 1335

***Immunology 330. Molecular Aspects of Mast Cells—Mediated Immune Responses**
Catalog Number: 7296
Richard L. Stevens (Medical School) 2892

***Immunology 331. Lymphoid Organs**
Catalog Number: 5725
Joan E. Stein-Streilein (Medical School) 4769

***Immunology 332. The Role of Cys-Lts in Antigen-Induced Pulmonary Inflammation and the Mechanism of Cys-LT-Mediated Pulmonary Fibrosis**
Catalog Number: 9530
Yoshihide Kanaoka (Medical School) 5401

***Immunology 333. Immunopathogenesis of Viral Diseases**
Catalog Number: 2430
Norman Letvin (Medical School) 2317

[*Immunology 335. T-Cell Receptor Interactions in Autoimmune Diseases]
Catalog Number: 4027
David Hafler (Medical School) 2616
Note: Expected to be given in 2010–11.

***Immunology 336. T-Lymphocyte Recognition and Adhesion**
Catalog Number: 7292
Michael B. Brenner (Medical School) 2864

***Immunology 337. Development of Mucosal Immunologic Factor**
Catalog Number: 1320
W. Allan Walker (Medical School, Public Health) 1175



***Immunology 339. Function and Regulation of Cellular Adhesion Mechanisms**

Catalog Number: 7841

Martin E. Hemler (Medical School) 2868

***Immunology 340. The Human Major Histocompatibility Complex, Immune Function, and Disease**

Catalog Number: 6650

Chester Alper (Medical School) 2951

***Immunology 341. Transcriptional Regulation of Stem Cell and Myeloid Cell Genes in Order to Understand Normal Myeloid Differentiation and Leukemia**

Catalog Number: 9403

Daniel G. Tenen (Medical School) 1172

***Immunology 342. Immune Cell Signaling, Gene Transcription and Tissue Injury in Lupus.**

Catalog Number: 7829

George C. Tsokos (Medical School) 5911

***Immunology 343. The Regulation of Eicosanoid Generation**

Catalog Number: 8593

Jonathan P. Arm (Medical School) 4946

***Immunology 344. Genetic Analysis of Lymphocyte Development and Nuclear Oncogene Function**

Catalog Number: 6438

Frederick W. Alt (Medical School) 3146

***Immunology 345. Assembly and Function of pre-B Cell-fate and B Lymphocyte Antigen Receptors**

Catalog Number: 0866

Shiv S. Pillai (Medical School) 3393

***Immunology 346. The Role of Complement in the Immune Response**

Catalog Number: 1755

Michael C. Carroll (Medical School) 2050

***Immunology 347. Mechanisms Underlying the Unique Ability of Antigen Presenting Cells to Activate Naive T Lymphocytes**

Catalog Number: 9833

Marianne Boes (Medical School) 5385

***Immunology 348. Cell Biology, Biochemistry, and Immunology of Leukocyte-endothelial Adhesion**

Catalog Number: 0901

Francis W. Luscinskas (Medical School) 3772



***Immunology 349. Mechanisms of T Cell and NK Cell Tolerance**

Catalog Number: 1241

Megan Sykes (Medical School) 1131

***Immunology 350. Regulation of Autoimmune T Cell Responses**

Catalog Number: 1916

Vijay K. Kuchroo (Medical School) 2041

***Immunology 351. Studies on Trafficking of Lymphocytes to Skin and of Tumor Cells to Organ-Specific Sites of Metastasis**

Catalog Number: 1875

Charles J. Dimitroff (Medical School) 5521

***Immunology 352. Using Biochemical, Cellular and Mouse Genetics Approaches to Dissect the Innate Immune Signaling Pathways of Toll-like Receptors and NBD-LRR (Nod) Proteins**

Catalog Number: 1572

Koichi S. Kobayashi (Medical School) 5522

***Immunology 353. Innate and Adaptive Immune Responses in HIV-1 Infection**

Catalog Number: 6000

Marcus Altfeld (Medical School) 5689

***Immunology 354. Topics in Transplantation Biology**

Catalog Number: 1459

David H. Sachs (Medical School) 1075

***Immunology 356. Cytotoxic T Lymphocytes**

Catalog Number: 8232

Judy Lieberman (Medical School) 1542

***Immunology 357. T Cell-Epithelial Cell Interactions in Mucosal Community**

Catalog Number: 2111

Richard S. Blumberg (Medical School) 2351

***Immunology 358. Self-renewal and Lineage Commitment of Hematopoietic Stem Cells**

Catalog Number: 1619

Koichi Akashi (Medical School) 5288

***Immunology 359. Immunoregulatory Mechanisms Affecting the Development of Pulmonary Inflammation, Asthma, and Allergy in Mice and Humans**

Catalog Number: 3037

Dale T. Umetsu (Medical School) 5289



***Immunology 360. Focus on Stem Cells and the Stem Cell Niche**

Catalog Number: 8952

David T. Scadden 2649

***Immunology 361. Induction and Regulation of Antigen-specific T Cell Responses**

Catalog Number: 7578

Gilles A. Benichou (Medical School) 2652

***Immunology 362. Basic Biology and Pathobiology of the Chemokine Superfamily of Cytokines**

Catalog Number: 3817

Andrew D. Luster (Medical School) 2654

***Immunology 363. Regulation of Mast Cell Activation by Stimulatory and Inhibitory Receptors**

Catalog Number: 6813

Howard R. Katz (Medical School) 2837

***Immunology 364. T-Cell Development in Animal Models of Autoimmunity Disease**

Catalog Number: 0972

Diane J. Mathis (Medical School) 3063

[*Immunology 365. Mucosal T Cell Mediated Immunity and Tolerance]

Catalog Number: 4204

Cathryn R. Nagler (Medical School) 1022

Note: Expected to be given in 2010–11.

***Immunology 366. Molecular Regulation of T Cell Cytokine Production and T Cell Interactions with the Blood Vessel Wall**

Catalog Number: 6676

Andrew H. Lichtman (Medical School) 3523

***Immunology 367. Biology and Chemistry of Complement Problems**

Catalog Number: 8080

Anne Nicholson-Weller (Medical School) 1063

***Immunology 368. Cytotoxic Lymphocytes**

Catalog Number: 8986

Paul J. Anderson (Medical School) 1947

***Immunology 369. Mechanisms of Autoimmune Disease**

Catalog Number: 6787

Vicki R. Kelley (Medical School) 2656



***Immunology 370. Mechanisms of Autoimmunity in Inflammatory Arthritis**

Catalog Number: 6285

David M. Lee (Medical School) 5915

***Immunology 371. Cellular and Molecular Mechanisms of Eosinophil and Other Leukocyte Involvement in Allergic Flammation**

Catalog Number: 3716

Peter F. Weller (Medical School) 2657

***Immunology 373. Biology of Histocompatibility Systems in Man and Experimental Animals; Immunology of Aging**

Catalog Number: 6317

Edmond J. Yunis (Medical School) 6036

***Immunology 374. Tumor Necrosis Factor-Alpha Gene Regulation in the Immunopathogenesis of AIDS and TB**

Catalog Number: 4558

Anne E. Goldfeld (Medical School) 1008

***Immunology 375. Biology and Function of Immunoreceptors**

Catalog Number: 0510

Jean-Pierre Kinet (Medical School) 2663

***Immunology 376. Regulation of IgE Reponses; Molecular Basis of Immunodeficiencies**

Catalog Number: 3618

Raif S. Geha (Medical School) 1795

[*Immunology 377. Regulation of T Helper Cell Differentiation]

Catalog Number: 0458

Michael Grusby (Medical School) 1987

Note: Expected to be given in 2010–11.

***Immunology 378. Basic Mechanisms of T cell Mediated Autoimmune Diseases**

Catalog Number: 2916

Kai Wucherpfennig (Medical School) 2481

***Immunology 379. Induction of Immunological Tolerance by Gene Therapy**

Catalog Number: 9300

John J. Iacomini (Medical School) 2643

***Immunology 380. Control of Leukocyte Trafficking and the Immune Response By Chemokines and Other Cytokines**

Catalog Number: 4872

Barrett J. Rollins (Medical School) 3775



***Immunology 381. Lymphocyte Development, Signaling, Immunoregulation**

Catalog Number: 0839

Harald Von Boehmer (Medical School) 3302

***Immunology 382. AIDS Immunopathogenesis and Immune Reconstitution**

Catalog Number: 0468

Robert P. Johnson (Medical School) 6125

***Immunology 383. Translational Approaches In Transplantation and Tumor Immunity**

Catalog Number: 4590

Lee M. Nadler (Medical School) 3773

***Immunology 384. The Role of Cysteinyl Leukotrienes and Nucleotide Receptors in Control of Pulmonary Allergic Immunity**

Catalog Number: 1056

Joshua A. Boyce (Medical School) 6230

***Immunology 385. Transcriptional Regulation of T Lymphocyte Activation and Differentiation**

Catalog Number: 1243

I-Cheng Ho (Medical School) 2764

***Immunology 387. Microbial Pattern Recognition and Signaling in Innate Immunity**

Catalog Number: 6065

Christine Kocks (Medical School) 5753

[*Immunology 388. Immunology and Molecular Biology of Schistosoma Mansoni]

Catalog Number: 5640

Donald A. Harn (Public Health) 2051

Note: Expected to be given in 2010–11.

***Immunology 389. Development of Cancer Vaccines**

Catalog Number: 4106

Glenn Dranoff (Medical School) 1821

***Immunology 391. Transcription Factors in Lymphocyte Commitment and Differentiation**

Catalog Number: 5285

Katia Georgopoulos (Medical School) 2070

***Immunology 392. Dendritic Cells and the Initiation of Immune Responses; Genetic Analysis using Genome-Wide Mammalian RNAi Libraries**

Catalog Number: 0298

Nir Hacohen (Medical School) 5157

***Immunology 393. The Role of the Transcription Factor NF- κ B in Regulating Innate Inflammatory Responses**



Catalog Number: 3287

Bruce H. Horwitz (Medical School) 5158

***Immunology 394. Cellular and Molecular Mechanisms by which CD1 Proteins Present Lipid Antigens to T Cells**

Catalog Number: 0938

D. Branch Moody (Medical School) 5159

***Immunology 395. NKT and Other Immune Cell Subsets in Anti-Tumor & Anti-Viral Immunity**

Catalog Number: 2491

Mark Adrian Exley (Medical School) 5749

***Immunology 396. The Fundamental Nature of and the Means to Produce T Cell Tolerance to Allo- and Auto-Antigens**

Catalog Number: 1812

Terry B. Strom (Medical School) 5160

***Immunology 397. Antigen Processing and Presentation by Dendritic Cells in Autoimmunity and Cancer**

Catalog Number: 3393

Shannon Turley (Medical School) 5255

***Immunology 398. The Role of Notch Signaling in Lymphoid Neoplasia**

Catalog Number: 9151

Jon Christopher Aster (Medical School) 5750

***Immunology 399. Innate and Adaptive Immunity in Transplantation**

Catalog Number: 3048

Yong-Guang Yang (Medical School) 6238

Medical Sciences

Primarily for Graduates

Medical Sciences 215. Integrated Human Physiology

Catalog Number: 6359

Richard M. Schwartzstein (Medical School) and members of the Faculty

Half course (spring term). M. through F., 8:30–12, Tu., 1:30–3:30.

Describes the physiological mechanisms underlying the functions of major organ systems of the human body, including cardiovascular, renal, gastrointestinal, respiratory, endocrine and reproductive systems. The course emphasizes integration of physiological functions within a clinical context.

Note: Offered jointly with the Medical School as IN 752.0. Students taking the course for credit are expected to attend all course sessions. Permission of both the course director and the Medical School Registrar is required.



***Medical Sciences 250ab. Human Functional Anatomy**

Catalog Number: 6946 Enrollment: Limited to 52. Minimum 25.

Lee Gehrke (Medical School)

Full course (fall term). Lectures, M., W., F., 1:30-2:30; laboratory, M., W., F., 2:30-6.

Lectures, detailed laboratory dissections, and prosections provide a thorough exploration of the gross structure and function of the human body. Fundamental principles of embryology and bioengineering promote analytical approaches to understanding the body's design.

Note: Open to qualified graduate students with permission of the course director. Offered jointly with the Medical School as HT 010. The first meeting of this course is September 2, 2009.

Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

David Lopes Cardozo (Medical School) 5995

***Medical Sciences 310. Advanced Topics in Medical Sciences**

Catalog Number: 7449

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197

David Lopes Cardozo (Medical School) 5995

Subject selected by students and faculty member.

Microbiology and Molecular Genetics

All courses in Microbiology and Molecular Genetics are subject to limitation in enrollment and will not be offered unless there is sufficient demand.

Primarily for Graduates

[Microbiology 200. Molecular Microbiology and Pathogenesis]

Catalog Number: 7773

Stephen Lory (Medical School) and members of the Faculty

Half course (spring term). M., W., F., 9-10:30.

Devoted primarily to bacterial structure, physiology, genetics, regulatory mechanisms and pathogenesis. Class consists of lectures, presentations emphasizing methods, results and interpretation of classic and contemporary literature, guest seminars, and small group discussions



of papers.

Note: Expected to be given in 2010–11. Offered jointly with the Medical School as MG 726.0.

Microbiology 201. Molecular Biology of the Bacterial Cell - (New Course)

Catalog Number: 38739

David Z. Rudner (Medical School), Thomas G. Bernhardt (Medical School), Simon L. Dove (Medical School), and Ann Hochschild (Medical School)

Half course (spring term). Tu., Th., 10–11:30.

This course is devoted to bacterial structure, physiology, genetics, and regulatory mechanisms. The class consists of lectures and group discussions emphasizing methods, results, and interpretations of classic and contemporary literature.

[Microbiology 202. Molecular Basis of Bacterial Pathogenesis and Host Response] - (New Course)

Catalog Number: 23632

John J. Mekalanos (Medical School), Marcia Goldberg (Medical School), Darren E. Higgins (Medical School), Jonathan C. Kagan (Medical School), and Stephen Lory (Medical School)

Half course (fall term). Tu., Th., 10–11:30.

Overview of classic paradigms in bacterial-host interactions. Discussions of pathogenic strategies and mechanisms used by representative bacterial pathogens during infection and innate and adaptive host immune defenses. Emphasis on the analysis of published work.

Note: Expected to be given in 2010–11.

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: Limited to 40.

Clyde S. Crumpacker II (Medical School) and associates

Half course (fall term). Tu., Th., 8:30–1.

The mechanisms of bacterial, mycoplasmal, fungal, and viral pathogenesis are covered. Topics are selected for intrinsic interest and cover the spectrum of pathophysiologic mechanisms of the infectious process. Emphasis on pathogenesis at the molecular level.

Note: Offered jointly with the Medical School as HT 040.

Prerequisite: A background course in molecular biology is strongly encouraged.

[Microbiology 209. Molecular Biology of Bacteria]

Catalog Number: 2698 Enrollment: Limited to 12. Minimum of 8.

Roberto G. Kolter (Medical School)

Half course (spring term). Hours to be arranged. One meeting per week.

Provides in-depth coverage of bacterial development and genomics. Students research topics and prepare lectures. Lectures are followed by discussions of key publications. The specific topics covered vary every year depending on student interest.

Note: Expected to be given in 2010–11. Given in alternate years. Open to graduate and advanced undergraduate students. Contact the instructor at least two weeks before the start of spring term via email at rkolter@hms.harvard.edu. Offered jointly with the Medical School as MG 727.0.

Microbiology 210. A Microbial Planet - (New Course)

Catalog Number: 63006



Roberto G. Kolter (Medical School), Jon Clardy (Medical School), and Ann Pearson
Half course (spring term). Tu., Th., 10–11:30.

This course covers the broad spectrum of microbiology from biodiversity to the impact of microorganisms on geology, the environment, climate, and world health. Topics include the origins of life, biogeochemical cycles, microbial diversity, and ecology.

Microbiology 213. Social Issues in Biology

Catalog Number: 7905 Enrollment: Limited to 20.

Jonathan R. Beckwith (Medical School) and Roberto G. Kolter (Medical School)
Half course (spring term). Th., 1–4.

Readings, discussion of social/ethical aspects of biology: history, philosophy of science; evolution vs. creationism; genetics and race; women and science; genetic testing; stem cell research; science journalism; genetics and the law; scientists and social responsibility.

Note: Offered jointly with the Medical School as MG 722.0. Alternates yearly between the Longwood and the Cambridge Campuses.

Prerequisite: Some background in genetics.

Microbiology 230. Analysis of the Biological Literature

Catalog Number: 3791

Elaine A. Elion (Medical School), Welcome W. Bender (Medical School), Michael Demian Blower (Medical School), Alan B. Cantor (Medical School), Stephen J. Elledge (Medical School), Richard Ian Gregory (Medical School), William C. Hahn (Medical School), Kevin M. Haigis (Medical School), Marcia C. Haigis (Medical School), Edward E. Harlow (Medical School), Jonathan M. G. Higgins (Medical School), Jordan A. Kreidberg (Medical School), Cammie Lesser (Medical School), Andrea I. McClatchey (Medical School), David Pellman (Medical School), Adrian Salic (Medical School), Ramesh Arjun Shivdasani (Medical School), David A. Sinclair (Medical School), Kevin Struhl (Medical School), Sheila Thomas (Medical School), Amy J. Wagers, and Chao-Ting Wu (Medical School)

Half course (fall term). Tu., Th., 2:30–7:30 p.m.

Critical analysis of original research articles in intensive small group discussions. Analyze range of papers in biochemistry, genetics, microbiology, and cell and developmental biology in terms of context, hypotheses, methods, results and future experiments.

Note: This course is required for first year BBS students. Students who are not first year BBS should contact the course director (E.A.E.) to determine the available space and receive course materials in advance of class.

Graduate Courses of Reading and Research

Primarily designed for work on a dissertation problem, carried out under the supervision of the following faculty members, whose special research interests are listed. Courses in parasitology are listed in the catalog of the Harvard School of Public Health (see Pathology).

***Microbiology 300. Advanced Topics in Microbiology and Molecular Genetics**

Catalog Number: 2304

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (7 weeks). Two



seminars, which can be taken in different terms, are required for credit.

Note: Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0605 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.

***Microbiology 304. Molecular Pathogenesis of Streptococcal Infection**

Catalog Number: 9527

Michael R. Wessels (Medical School) 4540

***Microbiology 305. Molecular Determinants of Intracellular Bacterial Pathogenesis**

Catalog Number: 3190

Darren E. Higgins (Medical School) 2963

***Microbiology 307. Growth Factors and Signal Transduction**

Catalog Number: 5726

Charles D. Stiles (Medical School) 4828

***Microbiology 308. Bacterial/ Host Interactions in Symbiosis and Pathogenesis**

Catalog Number: 4217

Dennis L. Kasper (Medical School) 4815

***Microbiology 310. Bacterial Genetics of Tuberculosis and Tularemia**

Catalog Number: 7652

Eric J. Rubin (Medical School) 4084

***Microbiology 311. Microbiology and Molecular Genetics**

Catalog Number: 7402

Jonathan R. Beckwith (Medical School) 1173

***Microbiology 313. T-Lymphocyte Responses to Bacterial Pathogens**

Catalog Number: 4959

Michael Starnbach (Medical School) 1816

***Microbiology 315. Biochemical Mechanisms Controlling Cell Growth and Differentiation**

Catalog Number: 3273

Michael E. Greenberg (Medical School) 1400

***Microbiology 316. Host Pathogen Interactions**

Catalog Number: 7769

Stephen Lory (Medical School) 4326

***Microbiology 317. Molecular Mechanisms in Pathogenesis**

Catalog Number: 8985

John J. Mekalanos (Medical School) 7315



***Microbiology 318. RNA Structure, RNA-protein Interactions, and Translation-level Gene Regulation in RNA Viruses**

Catalog Number: 1205

Lee Gehrke (Medical School) 8036

***Microbiology 320. Molecular Biology of Herpes Viruses**

Catalog Number: 3967

David M. Knipe (Medical School) 7089

***Microbiology 321. Molecular Biology of Bacterial Interactions**

Catalog Number: 2903

Roberto G. Kolter (Medical School) 7727

***Microbiology 322. Biochemistry of Bacterial Toxins**

Catalog Number: 4970

R. John Collier (Medical School) 7972

***Microbiology 324. Bacterial Pathogenesis and Vaccine Development**

Catalog Number: 3472

Gerald Pier (Medical School) 2853

***Microbiology 325. Signal Transduction, Host-Microbial Interactions and Immunology**

Catalog Number: 2839

Scott Brian Snapper (Medical School) 4969

***Microbiology 326. Mobile Genetic Elements and Bacterial Pathogenicity**

Catalog Number: 4703

Matthew K. Waldor (Medical School) 5919

***Microbiology 327. Molecular Biology and Evolution of Retroviruses**

Catalog Number: 7939

Welkin E. Johnson (Medical School) 5354

***Microbiology 328. Molecular Biology of Epstein Barr Virus Infection and Transformation of B Lymphocytes**

Catalog Number: 3188

Elliott D. Kieff (Medical School) 1858

***Microbiology 329. The Regulation of Gene Expression in Pathogenic Bacteria**

Catalog Number: 5892

Simon L. Dove (Medical School) 4953

***Microbiology 330. Molecular Mechanisms in Bacterial Differentiation**

Catalog Number: 5102

David Z. Rudner (Medical School) 4968



***Microbiology 331. Modeling Mechanisms of Bacterial Pathogenesis**

Catalog Number: 1929

Cammie Lesser (Medical School) 4962

***Microbiology 332. Gene Regulation of Prokaryotes**

Catalog Number: 0915

Ann Hochschild (Medical School) 2314

***Microbiology 334. Primate Lentiviral Immunology and Pathogenesis**

Catalog Number: 8398

David T. Evans (Medical School) 5353

***Microbiology 335. Molecular Biology of Parasites**

Catalog Number: 0528

Dyann F. Wirth (Public Health) 2492

***Microbiology 336. Pathogen-host Interactions**

Catalog Number: 3981

Marcia Goldberg (Medical School) 3783

***Microbiology 337. Mycobacterial Signal Transduction and Transcription Regulation**

Catalog Number: 5826

Robert Husson (Medical School) 5914

***Microbiology 339. Bacterial Cell Division and Cell Biology**

Catalog Number: 7237

Thomas G. Bernhardt (Medical School) 5752

***Microbiology 340. Herpes Virus Transformation and Gene Transfer Vector**

Catalog Number: 8544

Jae Ung Jung (Medical School) 2048

***Microbiology 343. Chemical Biology, Enzymology, Antibiotics, Glycosyltransferases, Inhibitors**

Catalog Number: 2963

Suzanne Walker (Medical School) 5087

***Microbiology 344. Chemistry and Biology of Host-Virus Interactions**

Catalog Number: 8853

Priscilla Yang (Medical School) 5156

***Microbiology 345. Pathogenesis of HIV-1 Transmission**

Catalog Number: 0534

Manish Sagar (Medical School) 5664



***Microbiology 346. Genetics of Bacterial Adhesion and Pathogenesis**

Catalog Number: 5690

Paula I. Watnick (Medical School) 5666

***Microbiology 347. Chemical Genetics Approach to Bacterial Pathogenesis**

Catalog Number: 2308

Deborah Tan Hung (Medical School) 5701

***Microbiology 348. Toll-like Receptors and Innate Immunity**

Catalog Number: 9708

Jonathan C. Kagan (Medical School) 6235

Neurobiology

The Program in Neuroscience offers multidisciplinary training in the neurosciences leading to the PhD degree. Course instruction and supervision of dissertation research is provided by faculty of the Department of Neurobiology at Harvard Medical School as well as faculty of other departments at Harvard Medical School (and its affiliated medical institutions) and the Faculty of Arts and Sciences.

Courses at the 200 level may be open to advanced undergraduates with permission of the instructor. Additional courses open to undergraduates are offered by the Neurobiology concentration, listed separately.

Primarily for Graduates

[Neurobiology 200. Introduction to Neurobiology](#)

Catalog Number: 6062 Enrollment: Limited to 50.

Richard H. Masland (Medical School), John A. Assad (Medical School), David P. Corey (Medical School), Matthew P. Frosch (Medical School), Lisa V. Goodrich (Medical School), and Rosalind A. Segal (Medical School)

Half course (fall term). M., W., F., 9–12.

Modern neuroscience from molecular biology to perception and cognition. Includes cell biology of neurons and glia; ion channels and electrical signaling; synaptic transmission; brain anatomy and development; sensory systems; motor systems; higher cognitive function.

Note: Offered jointly with the Medical School as HT 130. Follows the Medical School calendar. Nine hours of lecture or lab/conference weekly.

Prerequisite: Introductory cell and molecular biology or with permission of instructor.

[Neurobiology 204. Neurophysiology of Central Circuits](#)

Catalog Number: 5603

Rachel I. Wilson (Medical School), John A. Assad (Medical School), Richard T. Born (Medical School), Gabriel Kreiman (Medical School), Margaret S. Livingstone (Medical School), and John Maunsell (Medical School)

Half course (spring term). M., W., 10–12.



This course introduces major themes and fundamental concepts underlying current research in systems neuroscience. Each week covers a different theme, and draws on research from different sensorimotor modalities and model organisms.

Note: Offered jointly with the Medical School as NB 721.0.

Prerequisite: Neurobiology 200 or with permission of instructor.

Neurobiology 207. Developmental Neurobiology

Catalog Number: 4977 Enrollment: Limited to 20.

Lisa V. Goodrich (Medical School), Michela Fagiolini ((Medical School)), Chenghua Gu (Medical School), and Beth Stevens (Medical School)

Half course (spring term). F., 10–12, W., 2–4.

Advanced topics in nervous system development, including cell fate determination, axon guidance, synapse development and critical periods. Focus on current areas of investigation, unresolved questions, and common experimental approaches.

Note: Offered jointly with the Medical School as NB 720.0. Students will read and discuss primary literature in the discussion sessions. Emphasis will be given to learning how to identify an important question and develop a feasible research plan, including a lecture on how to write a grant proposal and a mock study section. The final exam consists of a grant proposal; grades will also be determined by successful completion of homework assignments and class participation.

Prerequisite: Neurobiology 200 or with permission of instructor.

Neurobiology 209. Neurobiology of Disease

Catalog Number: 5562

Edward A. Kravitz (Medical School) and Jang-Ho J. Cha

Half course (spring term). M., 6–8:30 p.m., W., 7–9:30 p.m.

Monday sessions involve patient presentations and “core” lectures describing clinical progression, pathology, and basic science underlying a major disease or disorder. Wednesdays, students present material from original literature sources, and there is general discussion.

Note: Given in alternate years. Offered jointly with the Medical School as NB 713.0. For advanced undergraduate, graduate students, MD and MD/PhD students.

Prerequisite: Introductory neurobiology, biochemistry, and genetics/molecular biology recommended.

***Neurobiology 220. Cellular Neurophysiology**

Catalog Number: 2141

Bruce P. Bean (Medical School), Wade G. Regehr (Medical School), and Gary I. Yellen (Medical School)

Half course (fall term). Tu., Th., 9-12 and a weekly discussion section.

Introduction to the physiology of neurons. Topics include structure and function of ion channels, generation and propagation of action potentials, and physiology of synaptic transmission.

Includes problem sets and reading of original papers.

Note: Offered jointly with the Medical School as NB 714.0.

Prerequisite: Introductory neurobiology.

Neurobiology 221. Molecular Neurobiology

Catalog Number: 0443



Charles J. Weitz (Medical School), Jonathan B. Cohen (Medical School), Bernardo L. Sabatini (Medical School), and Thomas L. Schwarz (Medical School)
Half course (spring term). Tu., Th., 10–12.

Molecular biology and genetics of the nervous system. Emphasis on importance of ligand-receptor interactions and receptor regulation for the function of the nervous system and on the mechanisms of storage and release of neurotransmitters.

Note: Offered jointly with the Medical School as NB 715.0.

Prerequisite: Introductory neurobiology and molecular biology. Permission of the instructor required for undergraduates.

Graduate Courses of Reading and Research

***Neurobiology 300. Advanced Topics in Neurobiology**

Catalog Number: 6206

David Lopes Cardozo (Medical School) 5995 and associates

Topics cover areas at the molecular, cellular, and systems levels in both basic and clinical neuroscience. A series of reading and discussion seminars, each running for a half term (seven weeks).

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Neurobiology 301. Visual Object Recognition: Molecules, Neurophysiology and Computation**

Catalog Number: 8402

Gabriel Kreiman (Medical School) 6174

***Neurobiology 302. How Attention Influences Representation of Sensory Information in Cerebral Cortex, and How These Changes Improve Behavior Performance.**

Catalog Number: 9850

John Maunsell (Medical School) 5670

***Neurobiology 303. Identification of Genes and Functional Pathways that Govern the Development, Function, and Disease State of the Inner Ear.**

Catalog Number: 0660

Zheng-Yi Chen (Medical School) 5478

***Neurobiology 304. Chemistry of Synapses**

Catalog Number: 5467

Edward A. Kravitz (Medical School) 2063

***Neurobiology 305. Cellular and Molecular Mechanisms of Epilepsy and Autism**

Catalog Number: 1349

Matthew Peter Anderson (Medical School) 6691



***Neurobiology 306. The Molecular Mechanisms of How Neural and Vascular Networks are Coordinately Developed, Communicate, and Evolve to Work in Concert During Normal and Disease States.**

Catalog Number: 0992

Chenghua Gu (Medical School) 5479

***Neurobiology 308. Molecular Mechanisms of Catecholaminergic-specific Gene Regulation**

Catalog Number: 6125

Kwang-Soo Kim (Medical School) 3046

***Neurobiology 309. Quantitative Microscopic Approaches are used to Study Neural Circuitry in Schizophrenia and to Determine how Postnatal Ontogenesis may Contribute to the Onset of this Disorder**

Catalog Number: 3823

Francine M. Benes (Medical School) 1869

***Neurobiology 310. Neural Coding of Chemosensory Stimuli**

Catalog Number: 2408

Rachel I. Wilson (Medical School) 5257

***Neurobiology 311. Cellular and Molecular Studies of Synapse Formation in the Vertebrate Nervous System**

Catalog Number: 0081

Joshua R. Sanes 5094

***Neurobiology 312. The Study of Synaptic Competition by Visualizing Synaptic Rearrangements Directly in Living Animals Using Modern Optical Techniques**

Catalog Number: 0082

Jeff W. Lichtman 5163

***Neurobiology 313. Molecular Neurobiology of the Biological Clock**

Catalog Number: 1758

Charles J. Weitz (Medical School) 1139

***Neurobiology 314. Cellular Mechanism(s) of Axon Guidance**

Catalog Number: 1742

Mustafa Sahin (Medical School) 6175

***Neurobiology 315. Neurotrophins and Cerebellar Development**

Catalog Number: 0128

Rosalind A. Segal (Medical School) 1564

***Neurobiology 317. Auditory System**

Catalog Number: 4979

Lisa V. Goodrich (Medical School) 4771



***Neurobiology 318. Molecular Genetics of Cerebral Cortical Development**

Catalog Number: 0825

Christopher A. Walsh (Medical School) 1560

***Neurobiology 319. Neurological Control of Cell Growth and Differentiation**

Catalog Number: 2991

Michael E. Greenberg (Medical School) 1400

***Neurobiology 320. Neuroprotection and Neuronal Repair in Neurodegenerative Disease**

Catalog Number: 4825

Ole S. Isacson (Medical School) 2077

***Neurobiology 321. Higher Functions in the CNS**

Catalog Number: 5387

Margaret S. Livingstone (Medical School) 1064

***Neurobiology 322. Cellular and Molecular Mechanisms in Axon Guidance and Regeneration**

Catalog Number: 2873

Zhigang He (Medical School) 3910

***Neurobiology 323. Synaptic Plasticity**

Catalog Number: 3209

Florian Engert 4290

***Neurobiology 324. Research in Neuropeptide Gene Regulation**

Catalog Number: 4057

Joseph A. Majzoub (Medical School) 1875

***Neurobiology 325. Synaptic Transmissions and Dendritic Processing**

Catalog Number: 2065

Wade G. Regehr (Medical School) 1606

***Neurobiology 326. Age-Dependent Mechanisms of Perinatal Brain Injury**

Catalog Number: 2469

Frances E. Jensen (Medical School) 3940

***Neurobiology 327. Rotations in Neurosciences**

Catalog Number: 5694

Richard T. Born (Medical School) 1787

***Neurobiology 328. Mechanisms of Cell Death in Stroke and Trauma**

Catalog Number: 8967

Eng H. Lo (Medical School) 3049



***Neurobiology 329. Molecular and Cell Biology of Alzheimer's Disease**

Catalog Number: 8816

Dennis J. Selkoe (Medical School) 2857

***Neurobiology 330. To Establish Causal Relationships between Gene Expression in the Brain and Motivated Behavior**

Catalog Number: 6269

William A. Carlezon (Medical School) 3929

***Neurobiology 331. Molecular Mechanisms that Control Neuronal Differentiation Nerve Growth and Regeneration in the Mammalian Brain and Retina**

Catalog Number: 9045

Dong Feng Chen (Medical School) 3930

***Neurobiology 332. Ligand-Gated Ion Channels: Structure and Function**

Catalog Number: 1623

Jonathan B. Cohen (Medical School) 1120

***Neurobiology 333. Intercellular Communication**

Catalog Number: 2484

David L. Paul (Medical School) 2318

***Neurobiology 334. Sensory Transduction, Tuning and Transmission by Hair Cells and Afferent Neurons of the Inner Ear.**

Catalog Number: 1134

Ruth Anne Eatock (Medical School) 5739

***Neurobiology 336. Developmental Cognitive Neuroscience, Focusing Primarily on Memory and Face Processing.**

Catalog Number: 2242

Charles A. Nelson (Medical School) 5480

***Neurobiology 337. Neurobiology of the Human Circadian Pacemaker**

Catalog Number: 5322

Charles A. Czeisler (Medical School) 7763

***Neurobiology 338. Neural Circuitry of Primate Visual Cortex**

Catalog Number: 5634

Richard T. Born (Medical School) 1787

***Neurobiology 339. Mechanisms of Central Synaptic Transmission**

Catalog Number: 9322

Vadim Bolshakov (Medical School) 4948

***Neurobiology 340. Neuronal Interactions within the Retina; Processing of Visual Information; Development of the Retina**



Catalog Number: 5261

John E. Dowling 3545

***Neurobiology 341. Molecular and Cellular Mechanisms of Cognition and Cognitive Disorders, Particularly the Role of Translational Regulation.**

Catalog Number: 8790

Raymond J. Kelleher (Medical School) 5740

***Neurobiology 342. Neurophysiology of Visual Cortex and LGN**

Catalog Number: 2778

R. Clay Reid (Medical School) 2957

***Neurobiology 343. Molecular Physiology of Ion Channels**

Catalog Number: 1887

Gary I. Yellen (Medical School) 3268

***Neurobiology 345. Molecular Basis of Neuron Glia Interactions**

Catalog Number: 4918

Gabriel Corfas (Medical School) 2907

***Neurobiology 346. Visual Processing in Primates**

Catalog Number: 0184

John A. Assad (Medical School) 2985

***Neurobiology 347. Alzheimer's Disease Research**

Catalog Number: 6606

Bradley T. Hyman (Medical School) 2952

***Neurobiology 349. Olfactory and Vomeronasal Systems Molecular and Developmental Neurobiology**

Catalog Number: 1416

Catherine Dulac 2801

***Neurobiology 350. Molecular Genetics of Neuronal Development**

Catalog Number: 2038

Constance L. Cepko (Medical School) 1150

***Neurobiology 351. Neurogenetics of Disease**

Catalog Number: 3008

Louis M. Kunkel (Medical School) 1330

***Neurobiology 352. Neural-glia Interaction for the Development and Maintenance of Chronic Pain**

Catalog Number: 1264

Ru-Rong Ji (Medical School) 5747



***Neurobiology 353. New Biology Through Physics: Molecular Discoveries with Light**

Catalog Number: 3689

David E. Clapham (Medical School) 2987

***Neurobiology 354. Structural Biology of Signaling and Transport Through Biological Membranes**

Catalog Number: 9454

Rachelle Gaudet 4413

***Neurobiology 356. Ion Channels in Neural Cell Membranes**

Catalog Number: 8368

David P. Corey (Medical School) 1345

***Neurobiology 357. Epigenetic Control of Experience-Dependent Neuronal Circuit Maturation and Plasticity.**

Catalog Number: 6674

Michela Fagiolini (Medical School) 5751

***Neurobiology 358. Neurogenetics of Human Disease**

Catalog Number: 7616

Xandra O. Breakefield (Medical School) 1428

***Neurobiology 359. Functional Characterization of Neural Circuits - (New Course)**

Catalog Number: 23173

Sandeep Robert Datta 6518

***Neurobiology 360. Statistical Modeling and Stochastic Dynamical Systems Analysis of Neurophysiologic Systems**

Catalog Number: 8525

Emery N. Brown (Medical School) 1399

***Neurobiology 361. Immunobiology of the Nervous System and its Tumors**

Catalog Number: 7282

Lois A. Lampson (Medical School) 2491

***Neurobiology 362. Optical imaging in Alzheimer's disease**

Catalog Number: 5030

Brian Bacskai (Medical School) 6693

***Neurobiology 363. Neural Development and Plasticity**

Catalog Number: 7089

Larry I. Benowitz (Medical School) 3150

***Neurobiology 364. Chemical Neuroanatomy of Autonomic Systems**

Catalog Number: 1523

Clifford B. Saper (Medical School) 3394



***Neurobiology 365. Behavioral Pharmacology of Stimulant Drugs and Brain Dopamine Systems as they relate to Psychiatric Disorders.**

Catalog Number: 8902

S. Barak Caine (Medical School) 5477

***Neurobiology 366. Functional Organization of the Retina**

Catalog Number: 7391

Richard H. Masland (Medical School) 4923

***Neurobiology 367. Neo-Cortical Development and Cellular Transplantation**

Catalog Number: 4252

Jeffrey D. Macklis 3396

***Neurobiology 368. The Neurobiology of Alzheimer's Disease and Related Neurodegenerative Disorders**

Catalog Number: 5054

Bruce Yankner (Medical School) 1557

***Neurobiology 369. Visual Processing**

Catalog Number: 1828

Markus Meister 3007

***Neurobiology 370. Characterization of Genes in Neurodegeneration**

Catalog Number: 8336

Rudolph E. Tanzi (Medical School) 2683

***Neurobiology 371. Sensory Neuron Development and Sleep Using Genetics and Live Imaging in Zebrafish.**

Catalog Number: 7081

Alexander F. Schier 5238

***Neurobiology 372. Neurotransmitter Control of Ion Channels**

Catalog Number: 7104

Bruce P. Bean (Medical School) 1148

***Neurobiology 373. Developmental Studies of the Murine Trigeminal Sensory System**

Catalog Number: 7485

Qiufu Ma (Medical School) 3034

***Neurobiology 374. Investigation of the Molecular Basis of Alzheimer's Disease & Parkinson's Disease Using Genetic Approaches in Mice**

Catalog Number: 9022

Jie Shen (Medical School) 3059



***Neurobiology 375. Mechanisms of Synaptic Transmission & Plasticity**

Catalog Number: 0790

Venkatesh N. Murthy 2424

***Neurobiology 376. Genetics of Neuronal Cell Biology**

Catalog Number: 2911

Thomas L. Schwarz (Medical School) 3923

***Neurobiology 377. Physiological Studies of Phototransduction and Light Adaptation**

Catalog Number: 6897

Clint L. Makino (Medical School) 3946

***Neurobiology 378. Neuronal Mechanisms by which Sensory Information and Memory Guide the Behavior of the Animal.**

Catalog Number: 9659

Naoshige Uchida 5745

***Neurobiology 379. Growth Factor Regulation of Neural Development and Oncogenesis**

Catalog Number: 7751

Scott L. Pomeroy (Medical School) 3947

***Neurobiology 380. Functional Wiring of the Rabbit Retina, Control of Postnatal Development**

Catalog Number: 4965

Elio Raviola (Medical School) 3582

***Neurobiology 381. Mechanisms of Action of Neurotransmitters and Neuromodulators, Specifically Glutamate and Norepinephrine**

Catalog Number: 6912

Paul Allen Rosenberg (Medical School) 3949

***Neurobiology 382. The Role of the Hypothalamus and Particularly Melanin Concentrating Hormone in the Regulation of Energy Homeostasis**

Catalog Number: 1457

Eleftheria Maratos-Flier (Medical School) 4327

***Neurobiology 383. Role of the Basal Ganglia in Learning and Motivation**

Catalog Number: 0492

Emad Eskandar (Medical School) 6176

***Neurobiology 385. The Study of Mammalian Gap Junctions, Inhibitory Neuronal Networks, and Corticothalamic Processing.**

Catalog Number: 1296

Carole Landisman (Medical School) 5787



***Neurobiology 386. Changes in the Function, Chemistry and Structure of Sensory Neurons that Contribute to Pain**

Catalog Number: 7609

Clifford Woolf (Medical School) 3956

***Neurobiology 389. Molecular Regulation of Neural Tube Development**

Catalog Number: 3914

Mary R. Loeken (Medical School) 3151

***Neurobiology 390. Mechanisms of Synapse Regulation**

Catalog Number: 9202

Bernardo L. Sabatini (Medical School) 4300

***Neurobiology 392. Synaptic Plasticity in the CNS using Electrophysiological and Calcium Imaging Techniques, as well as Genetically Altered Mouse Strains**

Catalog Number: 6750

Chinfei Chen (Medical School) 4437

***Neurobiology 393. Genetic Disorders of Axon Growth and Guidance**

Catalog Number: 3085

Elizabeth C. Engle (Medical School) 4312

***Neurobiology 395. Neuron-Glia Interactions During Development and Disease**

Catalog Number: 7993

Beth Stevens (Medical School) 6678

***Neurobiology 396. Critical Period Mechanisms of Experience-Dependent Brain Development**

Catalog Number: 0142

Takao K. Hensch 5813

***Neurobiology 397. Nervous System Construction and Function**

Catalog Number: 0158

Samuel M. Kunes 3486

***Neurobiology 398. CNS and Cancer Gene Therapy**

Catalog Number: 4438

Samuel D. Rabkin (Medical School) 4772

***Neurobiology 399. Genetic Engineering in Mice is used to Investigate Neurocircuits Thought to Regulate Metabolism and Behavior.**

Catalog Number: 5626

Bradford Barr Lowell (Medical School) 5741

Pathology



Eligible students interested in parasitology and tropical medicine should consult the courses offered by the Department of Tropical Public Health as listed in the catalog of the Harvard School of Public Health. For specific information regarding prerequisites and advisability, contact the office of the Department of Tropical Public Health, Harvard School of Public Health.

Primarily for Graduates

***Pathology 205. Molecular Biology of the Auditory System**

Catalog Number: 0211

Albert S.M. Edge

Half course (fall term). Tu., 4:30–6.

Examines the exciting advances in inner ear genetics and molecular biology. Topics include identifying deafness genes, genes and proteins recently identified as critical for proper inner ear function, development, and regeneration.

Note: Given in alternate years.

Prerequisite: Introductory courses in neurobiology and molecular biology are recommended.

Pathology 209. Tumor Pathophysiology and Transport Phenomena - A Systems Biology Approach

Catalog Number: 5934

Rakesh K. Jain (Medical School)

Half course (fall term). M., 5–7 p.m.

Tumor pathophysiology plays a central role in the growth, metastasis, detection, and treatment of solid tumors. Principles of transport phenomena are applied to develop a quantitative understanding of tumor biology and treatment.

Note: Given in alternate years. Offered jointly with the Medical School as PA 712.0.

Graduate Courses of Reading and Research

Students are usually not eligible to enroll in one of these courses until they have completed their formal required course work. Research courses are primarily designed for research work on a student's dissertation problem, carried out under the direct supervision of one of the following faculty members, whose special research interests are listed.

***Pathology 300. Advanced Topics in Pathology**

Catalog Number: 2245

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

Prerequisite: Dependent on seminar.



***Pathology 302. Molecular Mechanisms of Leukocyte Trafficking**

Catalog Number: 2273

Ulrich H. Von Andrian-Werburg (Medical School) 2090

***Pathology 303. Viral Pathogenic and Transformation Mechanisms**

Catalog Number: 1644

Peter M. Howley (Medical School) 1076

***Pathology 304. Viral Carcinogenesis**

Catalog Number: 1283

Thomas L. Benjamin (Medical School) 4115

***Pathology 307. Endo- and Exocytosis of Membrane Proteins in Kidney Epithelial Cells**

Catalog Number: 7151

Dennis Brown (Medical School) 1582

***Pathology 308. Genetic Models of Human Disease**

Catalog Number: 1918

Michael C. Carroll (Medical School) 2050

***Pathology 310. Regulation of Vascular Development and Pathology**

Catalog Number: 2653

Patricia A. D'Amore (Medical School) 1168

***Pathology 312. Research in Molecular Cytogenetics**

Catalog Number: 7347

Cynthia C. Morton (Medical School) 2194

***Pathology 313. Research in Integrin Signaling, Cytoskeleton, and Control of Angiogenesis**

Catalog Number: 4139

Donald E. Ingber 2832

***Pathology 314. Molecular Biology of Immune Cell Interactions**

Catalog Number: 1156

Timothy A. Springer (Medical School) 6145

***Pathology 315. Epigenomics of Allele-Specific Expression - (New Course)**

Catalog Number: 26669

Alexander Gimelbrant 6521

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 317. Epithelial:stromal Interactions in the Formation and Progression of Carcinomas - (New Course)**



Catalog Number: 93298
Antoine Karnoub 6458

***Pathology 318. Cancer Stem Cell Self-renewal - (New Course)**

Catalog Number: 41776
David M. Langenau 6459

***Pathology 321. Intracellular Signaling Mechanisms in Brain Development and Disease**

Catalog Number: 8032
Azad Bonni (Medical School) 2923

***Pathology 324. Regulation of T-cell Mediated Immune Response**

Catalog Number: 1501
Arlene H. Sharpe (Medical School) 1588

***Pathology 325. Transcriptional Control in Differentiation/Development and Tumorigenesis**

Catalog Number: 1509
Yang Shi (Medical School) 3169

***Pathology 327. Genetic Models of Leukemogenesis**

Catalog Number: 5534
A. Thomas Look (Medical School) 3771

***Pathology 329. Tissue-Specific Lymphocyte Homing and Diversity**

Catalog Number: 7366
James J. Campbell (Medical School) 4438

***Pathology 330. Transcriptional Regulations and Cellular Differentiation**

Catalog Number: 5521
T. Keith Blackwell (Medical School) 1826

***Pathology 332. Mechanisms Used by Small DNA Tumor Viruses to Disrupt Controls of Cellular Proliferation**

Catalog Number: 0445
Nicholas J. Dyson (Medical School) 1829

Pathology 333. Models of Human Neurodegenerative Diseases in the Fruit Fly *Drosophila

Catalog Number: 4845
Mel B. Feany (Medical School) 4439

***Pathology 334. Characterization of Molecular Targets of Cancer Therapy**

Catalog Number: 5744
Daniel A. Haber (Medical School) 1832



***Pathology 335. Molecular Approaches to Cell Immortalization and Transformation**

Catalog Number: 2283

William C. Hahn (Medical School) 4317

***Pathology 338. Genetic and Biochemical Analysis of Signal Transduction Pathways**

Catalog Number: 2647

Jeffrey E. Settleman (Medical School) 1820

***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822

Denisa D. Wagner (Medical School) 2092

***Pathology 350. Topics in Vascular Biology**

Catalog Number: 0289

Michael A. Gimbrone (Medical School) 1896

***Pathology 351. Cytoskeleton in Cancer Development and Progression**

Catalog Number: 5656

Andrea I. McClatchey (Medical School) 2204

***Pathology 352. Recombination Functions of the BRCA Genes**

Catalog Number: 5001

Ralph Scully (Medical School) 4536

***Pathology 353. Cell Cycle Proteins in Development and Cancer**

Catalog Number: 1475

Piotr Sicinski (Medical School) 2245

***Pathology 354. Biochemistry of Transmembrane Receptors Interactions**

Catalog Number: 9969

Stephen C. Blacklow (Medical School) 1462

***Pathology 359. Signal Transduction Pathways Involved in Cellular Proliferation and Apoptosis**

Catalog Number: 2841

Roya Khosravi-Far (Medical School) 2704

***Pathology 360. Biology and Genetics of Human Cancers**

Catalog Number: 0188

Matthew L. Meyerson (Medical School) 2421

***Pathology 361. Molecular Mechanisms of Aging and Age Related Diseases**

Catalog Number: 6096

David A. Sinclair (Medical School) 2610



***Pathology 362. Gene Targeting, Immunology and Disease**

Catalog Number: 5290

Klaus Rajewsky (Medical School) 4330

***Pathology 364. Molecular Genetics of Erythroid Iron Metabolism**

Catalog Number: 5354

Mark Daniel Fleming (Medical School) 4955

***Pathology 365. Control of Endothelial Cell Fate and Vascular Development by Fluid Mechanical Forces**

Catalog Number: 4860

Guillermo Garcia-Cardena (Medical School) 4956

***Pathology 366. Phagocyte-endothelial Cell Responses in Inflammation**

Catalog Number: 4122

Tanya Mayadas (Medical School) 4963

***Pathology 367. Developing Mouse Models for Human Cancers**

Catalog Number: 2162

Sandra Orsulic (Medical School) 4964

***Pathology 368. Signaling Pathways in Cancer Cell Biology**

Catalog Number: 1919

Alex Toker (Medical School) 4971

***Pathology 369. Molecular Recognition and Protein Engineering**

Catalog Number: 8852

J. Keith Joung (Medical School) 5149

***Pathology 370. Cell Cycle Control and Ubiquitin-Mediated Proteolysis**

Catalog Number: 1354

J. Wade Harper (Medical School) 4957

***Pathology 371. Biology and Function of Tissue-Specific Stem Cells**

Catalog Number: 9993

Amy J. Wagers 5212

***Pathology 372. DNA Damage Responses and Genomic Stability**

Catalog Number: 5604

Lee Zou (Medical School) 5258

***Pathology 373. Integration of Cellular Metabolism and Apoptosis**

Catalog Number: 8788

Nika Danial (Medical School) 5393



***Pathology 374. Cell Signaling in Innate Immunity**

Catalog Number: 9911

Hongbo Luo (Medical School) 5395

***Pathology 375. Mechanisms and Applications of Mammalian RNA Interference**

Catalog Number: 2870

Carl D. Novina (Medical School) 5356

***Pathology 376. Mechanism and Regulation of Ribosome Biogenesis**

Catalog Number: 3329

Guo-Fu Hu (Medical School) 5402

***Pathology 377. Epigenetic Mechanisms in Mammalian Development**

Catalog Number: 5739

Bradley E. Bernstein (Medical School) 5669

***Pathology 378. Epigenetic Regulation in Development and Disease**

Catalog Number: 8317

Laurie Jackson-Grusby (Medical School) 5671

***Pathology 379. Mitochondria in Aging and Metabolism**

Catalog Number: 7386

Marcia C. Haigis (Medical School) 5734

***Pathology 380. Modeling Ovarian Cancer Pathogenesis and Early Detection**

Catalog Number: 8863

Ronny I. Drapkin (Medical School) 5912

***Pathology 381. Ras Signaling and Colon Cancer**

Catalog Number: 7281

Kevin M. Haigis (Medical School) 5913

***Pathology 382. Mechanisms of Acute and Chronic Allograft Rejection**

Catalog Number: 1744

Richard N. Mitchell (Medical School) 5916

***Pathology 383. Cell Cycle, Ubiquitination and Protein Degradation, Cancer Research**

Catalog Number: 9068

Wenyi Wei (Medical School) 5918

***Pathology 384. The Molecular Genetics of Human Cancer**

Catalog Number: 3734

Pier Paolo Pandolfi (Medical School) 6177



***Pathology 385. Epigenetic Regulation by Large Non-coding RNA**

Catalog Number: 4220

John L. Rinn (Medical School) 6229

***Pathology 386. Hematopoietic Stem Cell Biology and Aging**

Catalog Number: 3429

Derrick J. Rossi (Medical School) 6330

***Pathology 387. Kinase Signaling in Cancer**

Catalog Number: 8048

Jean J. Zhao (Medical School) 6237

***Pathology 388. Impact of Epigenetics On Cellular Homeostasis**

Catalog Number: 5410

Johnathan Whetstone (Medical School) 6244

Pharmacology

For courses pertaining to Pharmacology see listings under the Department of Biological Chemistry and Molecular Pharmacology.

Virology

Primarily for Graduates

***Virology 200. Introduction to Virology**

Catalog Number: 6075 Enrollment: Limited to 20.

Elliott D. Kieff (Medical School), David M. Knipe (Medical School), Karl M  nger (Medical School), and Max L. Nibert (Medical School)

Half course (fall term). W., 12:30–3, M., 3–4:30.

Introduction to virology. The lecture component reviews the basic principles of virology and introduces the major groups of human viruses. Weekly discussion groups critically analyze selected papers from the literature.

Note: There will be a final project consisting of a proposal based on laboratory rotations (for Virology, BBS, or Immunology Program students) or a final paper based on a topic from the literature. Offered jointly with the Medical School as MG 705.0.

Virology 201. Virology

Catalog Number: 1190

Sean P.J. Whelan (Medical School), James M. Cunningham (Medical School), David T. Evans (Medical School), and Welkin E. Johnson (Medical School)

Half course (spring term). Tu., Th., 2:30–4.

Literature based reading. Proposal writing. Course covers a broad range of topics: viral genetics, structure/replication, pathogenesis, evolution ("emerging viruses"), chronic infection, latency, innate and adaptive immunity, anti-viral drugs and vaccine strategies.



Note: Offered jointly with the Medical School as MG 723.0.

Prerequisite: Graduate standing and permission required.

Virology 202. Animal Virology: Seminar

Catalog Number: 6025

Michael R. Farzan (Medical School), David T. Evans (Medical School), Frederick C. Wang (Medical School), Priscilla Yang (Medical School), and Xinzheng Yang (Medical School)

Half course (fall term). W., 1:30–4:30.

Students will write, present, and evaluate research proposals in the areas of virus replication, viral pathogenesis and treatment and prevention of viral infections.

Note: Offered jointly with the Medical School as MG 724.0.

Prerequisite: General background in biochemistry and virology.

Graduate Courses of Reading and Research

***Virology 300r. Introduction to Research**

Catalog Number: 0530

David M. Knipe (Medical School) 7089

***Virology 301. Herpes Virus Interaction with the Host Cell**

Catalog Number: 7344

David M. Knipe (Medical School) 7089

***Virology 303. Pathogenesis of AIDS and AIDS-related opportunistic infections in nonhuman primate models of simian immunodeficiency virus (SIV) infection**

Catalog Number: 6772

Amitinder Kaur (Medical School) 6692

***Virology 304. Molecular Biology of Kaposi's Sarcoma-Associated Herpes Virus**

Catalog Number: 8182

Kenneth M. Kaye (Medical School) 3064

***Virology 305. Transcriptional Regulation of Viral and Mammalian Genes**

Catalog Number: 5437

Sean P.J. Whelan (Medical School) 4591

***Virology 306. Structure and Function of Herpes virus DNA Polymerase and the HIV Reverse Transcriptase; Resistance to Antiviral Drugs in Clinical Viral Isolates and Mechanisms of Resistance and Pathogenesis**

Catalog Number: 6968

Clyde S. Crumpacker II (Medical School) 1092

***Virology 307. Genetics and Biochemistry of Prokaryotic Transposable Elements and Yeast Meiotic Chromosome Metabolism**

Catalog Number: 6097

Nancy Kleckner 4697



***Virology 308. Molecular Genetics of Herpes Virus**

Catalog Number: 3000

Donald M. Coen (Medical School) 7617

***Virology 309. Human Oncogenic Viruses**

Catalog Number: 4011

Jack L. Strominger 1193

***Virology 310. Cellular Transformation by SV40**

Catalog Number: 0221

James A. DeCaprio (Medical School) 1296

***Virology 311. Molecular Biology of Epstein-Barr Infection**

Catalog Number: 0513

Frederick C. Wang (Medical School) 1297

***Virology 312. Molecular Biology of Epstein-Barr Virus Infection and Transformation of B-Lymphocytes**

Catalog Number: 3483

Elliott D. Kieff (Medical School) 1858

***Virology 313. Molecular Basis for Simian Virus Pathogenesis**

Catalog Number: 2528

Ronald C. Desrosiers (Medical School) 1874

***Virology 314 (formerly *Pathology 323). Viral Oncoproteins as Probes to Study the Regulation of Cell Growth and Differentiation**

Catalog Number: 6286

Karl Münger (Medical School) 1586

***Virology 315. Mechanisms of Transcriptional Repression in Eukaryotic Cells**

Catalog Number: 0462

Yang Shi (Medical School) 3169

***Virology 317. Virology and Immunology of Human Retroviruses**

Catalog Number: 0954

Myron Essex (Public Health) 2499

***Virology 318. Persistence and Pathogenesis of Hepatitis C Virus Infection**

Catalog Number: 9144

Raymond Taeyong Chung (Medical School) 6178

***Virology 319. Functional Analysis of Tumor Suppression Genes**

Catalog Number: 5817

David Morse Livingston (Medical School) 4872



***Virology 320. Pathogenesis of Human Retroviruses**

Catalog Number: 1532

Joseph G. Sodroski (Public Health) 1712

***Virology 321. Retroviral DNA Integration**

Catalog Number: 6857

Alan N. Engelman (Medical School) 2196

***Virology 322. HIV Molecular Biology and Pathogenesis**

Catalog Number: 9023

Dana Gabuzda (Medical School) 1581

***Virology 323. Immunobiology of the Epstein-Barr Virus Receptor; Pathogenesis of EBV and B-cell Tumors**

Catalog Number: 0778

Joyce D. Fingerroth (Medical School) 2707

***Virology 324. Leukemogenic Retroviruses**

Catalog Number: 5263

James M. Cunningham (Medical School) 2346

***Virology 325. Retroviral Pathogenesis; Host-Virus Interactions Including Virus-Induced Perturbation of the Developing Immune System; the Nature of Protective Anti-Retroviral Immune Responses in Primates**

Catalog Number: 8029

Ruth M. Ruprecht (Medical School) 2716

***Virology 326. Pathogenesis and Treatment of Human Retrovirus and Herpesvirus Infection**

Catalog Number: 6440

Martin S. Hirsch (Medical School) 2876

***Virology 327. Epstein-Barr virus nuclear proteins in lymphomagenesis and the viral lifecycle**

Catalog Number: 8083

Eric Christian Johannsen 6264

***Virology 328. Humoral Response to Retroviral Infections in Humans; Identification of Coding Sequence of Human Retroviruses and their Gene Products**

Catalog Number: 2513

Tun-Hou Lee (Public Health) 2769

***Virology 329. Cellular Immunology of Persistent Human Virus Infections**

Catalog Number: 5417

Bruce Walker (Medical School) 2847



***Virology 330. Critical Readings in Virology**

Catalog Number: 5966

David Lopes Cardozo (Medical School) 5995

A series of reading and discussion seminars, each running for a half term (seven weeks).

Different topics are covered each term.

Note: Two seminars, which can be taken in different terms, are required for credit. Non-DMS students must get permission from the Division of Medical Sciences before registering for this course. Please contact us at 617-432-0162 or visit the DMS Office at T-MEC 435, 260 Longwood Avenue, Boston.

***Virology 331. Polyomavirus JC, the Etiologic Agent of Progressive Multifocal Eukoencephalopathy (PML)**

Catalog Number: 9476

Igor J. Koralnik (Medical School) 6179

***Virology 332. Protein Phosphorylation and Gene Expression in Normal and Transformed Cells**

Catalog Number: 9093

Raymond L. Erikson 7506

***Virology 333. Antiretroviral Drug Resistance, and Drug Resistant Human Immunodeficiency Virus**

Catalog Number: 5526

Daniel R. Kuritzkes (Medical School) 4773

***Virology 334. HIV-1 and Other Viruses**

Catalog Number: 3803

Michael R. Farzan (Medical School) 4775

***Virology 336. Genetic Changes in HIV and Hepatitis C Virus**

Catalog Number: 8685

Todd Allen (Medical School) 6180

***Virology 337. Humoral and Innate Immune Responses During Viral Infections Focusing on HIV-1 Infection**

Catalog Number: 0111

Xinzhen Yang (Medical School) 6182

***Virology 338. Metabolism and Survival Pathways of Epstein-Barr Virus**

Catalog Number: 7495

Ellen D. Cahir-McFarland 6268

***Virology 339. Mechanisms of HIV protein degradation, epitope processing and presentation to virus-specific CD8 T cells**

Catalog Number: 3999

Sylvie Le Gall 6269



***Virology 347 (formerly *Microbiology 342). Reovirus Structure, Assembly, and Particle Functions in Entry and RNA Synthesis**

Catalog Number: 4181

Max L. Nibert (Medical School) 3896

***Virology 348. Immunopathogenesis of HIV-1 and the Development of HIV-1 Vaccine Strategies**

Catalog Number: 8409

Dan Hung Barouch (Medical School) 5744

***Virology 349. Imaging Techniques to Study the Behavior of Individual Biological Molecules and Complexes in Vitro and in Live Cells - (New Course)**

Catalog Number: 33202

Xiaowei Zhuang 3991 (on leave 2009-10)

Medieval Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture (*Chair*)

François Bovon, Frothingham Professor of the History of Religion (*Divinity School*)

Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)

Daniel G. Donoghue, John P. Marquand Professor of English

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature

Sean Gallagher, Associate Professor of Music

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature

Virginie Greene, Harvard College Professor, Professor of Romance Languages and Literatures

Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*)

Baber Johansen, Professor of Islamic Studies (*Divinity School*)

Thomas Forrest Kelly, Morton B. Knafel Professor of Music

Michael McCormick, Francis Goelet Professor of Medieval History

Stephen A. Mitchell, Professor of Scandinavian and Folklore

Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature

James Simpson, Harvard College Professor, Donald P. and Katherine B. Loker Professor of English

Daniel L. Smail, Professor of History

Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design*)



School)

R. J. Tarrant, Pope Professor of the Latin Language and Literature
 Nicholas Watson, Professor of English
 Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

The Standing Committee on Medieval Studies exists in order to promote and coordinate teaching and scholarship on medieval Europe and the Near East throughout the University, including Dumbarton Oaks in Washington, D.C. As a program committee within the Faculty of Arts and Sciences, it mounts a number of undergraduate and graduate courses each year, and coordinates a Secondary Field in Medieval Studies for PhD students and a Secondary Field in Medieval Studies for undergraduates. Although Harvard offers no PhD specifically in Medieval Studies, the committee has the authority to administer interdisciplinary PhDs in liaison with a regular departmental program. Working in cooperation with the GSAS Graduate Student Workshop, it also sponsors events and activities of interest to medievalists. Among these are the frequent meetings of the Medieval Studies Seminar on Monday afternoons, an occasional series of Special Seminars and conferences in Medieval Studies, the twice-yearly receptions for medievalists throughout the Boston area, and a graduate student Workshop in Medieval Studies. The committee has the further responsibility of fostering the Medieval Studies Library in Widener D. Its electronic mailing list is the most comprehensive guide to late antique, medieval, and Byzantine events at Harvard University and in the Boston area generally.

Specific questions concerning Medieval Studies on either the undergraduate or the graduate level and requests for the annual list of courses on medieval topics should be addressed to the Chairman of the Committee, Robinson Hall 201.

For more information and to receive the Medieval Studies Committee email on its frequent activities, contact medieval@fas.harvard.edu (and view its website at www.fas.harvard.edu/~medieval).

For Undergraduates and Graduates

Medieval Studies 107. Authority and Invention: Medieval Art and Architecture

Catalog Number: 9420

Christine Smith (Design School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Masterworks of art and architecture in Western Europe from the revival of monumental building to the dawn of the Italian Renaissance. Explores the creative tension between the impulse to originality and the authority of classical models in the search for new art forms. Emphasis on relatively few works considered in their totality (architecture, painting, sculpture, and minor arts) as experiential wholes; and on the plurality of geographical and cultural contexts (Italy, Germany, France, and Spain).

Note: Offered jointly with the Graduate School of Design as 4358. Meets at the Graduate School of Design, Gund Hall. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for



a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[Medieval Studies 108. Nature and the Ideal: Art and Architecture in Italy, 1250–1520]

Catalog Number: 2898

Christine Smith (Design School)

Half course (spring term). Hours to be arranged.

An introduction to Italian painting, sculpture, and architecture from ca. 1250 to 1520 emphasizing style and technique. The course is structured in three parts, each focusing on a single artist whose works are of outstanding historical and artistic significance and whose numerous interactions with artists working in other media, and activity in diverse centers of artistic production, indicate the broader range of artistic concerns and achievements of their time.

Note: Expected to be given in 2010–11. Offered jointly with the Graduate School of Design as 4402. Meets at the Graduate School of Design, Gund Hall.

Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies

Catalog Number: 3080

Nicholas Watson

Half course (fall term). Tu., Th., at 11, and a weekly section to be arranged. EXAM GROUP: 13

The medieval imagination was the ambiguous mediator between the world and the human understanding, a mental locus in which either prophetic truths or dreams and diabolic deceptions might be apprehended. This course investigates dream poetry and visionary writing in the context of medieval psychological theory. Texts to be read include Boethius's *Consolation of Philosophy*, Dante's *Inferno*, Chaucer's *House of Fame*, *The Romance of the Rose*, and works by Augustine, Bonaventure, and others.

[Medieval Studies 117. Constitutional and Legal History of Medieval England]

Catalog Number: 5468

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

A survey of the ideas and events that shaped the structure of English law and governance from the Anglo-Saxon invasions to the Reformation Parliament. Topics include the formation of the kingdom of England, the emergence of institutions of royal governance, the relations between church and state, the development of Parliament, and the various institutional reactions to political conflict and social change.

Note: Expected to be given in 2011–12. Offered concurrently, but with a separate section, at the Law School.

[Medieval Studies 119. Constitutional and Legal History of Medieval Continental Europe]

Catalog Number: 4410

Charles Donahue, Jr. (Law School)

Half course (spring term). Hours to be arranged.

A survey of the main outlines of continental European constitutional and legal history from the fall of the Roman Empire to the “Rise of absolutism” at the beginning of the 17th century. Focuses on the main expressions of European legal culture over this long period of time. In each



period an effort is made to relate the types of law produced to the social, political, and religious history of the period.

Note: Expected to be given in 2010–11. Offered concurrently, but with a separate section, at the Law School.

Primarily for Graduates

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

Catalog Number: 3759

Michael McCormick

Half course (spring term). Hours to be arranged.

Familiarizes scholars in all areas of medieval studies with the research tools and techniques for advanced study of late antique and medieval evidence: Latin palaeography, codicology, hagiography, late Latin philology, late antique studies, numismatics, diplomatic.

Note: Expected to be given in 2010–11.

[*Medieval Studies 202 (formerly *Medieval Studies 102). Latin Palaeography and Manuscript Culture: Seminar]

Catalog Number: 7124 Enrollment: Limited to 12.

Beverly M. Kienzle (Divinity School)

Half course (spring term). Hours to be arranged.

Introduction to Latin manuscripts, their production and use. Taught in collaboration with William P. Stoneman, Houghton Library. Practical initiation to Latin palaeography, work with manuscripts, practice in transcription, and discussion of problems in textual criticism.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2223/4330.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[Medieval Studies 223. Preaching and Sermon in the Middle Ages]

Catalog Number: 8726

Beverly M. Kienzle (Divinity School)

Half course (fall term). Hours to be arranged.

Literary and historical survey of preaching and sermons from the early to the late Middle Ages, as practiced by clergy, religious women, lay people, dissidents. Readings in Latin; discussion of current research and methodological issues.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2226.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[Medieval Studies 225. Heresy, Orthodoxy, and Religious Identity in Medieval Christianity]

Catalog Number: 3648

Beverly M. Kienzle (Divinity School)

Half course (fall term). Hours to be arranged.

Heresy, orthodoxy, and religious identity from the early to the late Middle Ages. Focus on western European persons and movements that were deemed heretical. Readings in Latin; discussion of current research and methodological issues.



Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 2216.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

[Medieval Studies 227 (formerly Medieval Studies 127). Hildegard of Bingen and the Gospels: Seminar]

Catalog Number: 7365

Beverly M. Kienzle (Divinity School)

Half course (spring term). Hours to be arranged.

Reading of Hildegard of Bingen's *Expositiones evangeliorum* with attention to genre, exegetical and homiletic tradition, intertextuality, questions of gender and authority. Scholarship on Hildegard's works, medieval exegesis, monastic culture, medieval religious women.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 2224/4331.

Prerequisite: Completion of an intermediate Latin course or the equivalent.

***Medieval Studies 280 (formerly *Comparative Literature 280). Literary Theory and Criticism in the Middle Ages: Seminar**

Catalog Number: 2215

Jan Ziolkowski

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines literary theory and criticism inside curriculum (trivium) and outside (oral culture); manuscripts and commentary tradition; biblical exegesis; arts of poetry, letter-writing, preaching; Platonic and Aristotelian traditions; allegory/allegoresis; sign theory. Includes Augustine, Snorri, Dante, Boccaccio.

Note: Knowledge of Latin not required. Qualified undergraduates welcome.

Medieval Studies 290. Making the Middle Ages (Graduate Seminar in General Education) - (New Course)

Catalog Number: 94548

Andrew John Romig and Daniel L. Smail

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An introduction to the process of designing and developing a General Education course on the study of medieval Europe for undergraduates. The course is built around discussion and analysis of a set of singular and understudied objects and texts. Students will gain a facility with multiple disciplinary perspectives on interpreting texts and artifacts in context. Students will each develop a multidisciplinary project of his or her own design for use in the General Education class.

Graduate Course

***Medieval Studies 300hf (formerly Medieval Studies 300). Medieval Studies Interdisciplinary Workshop**

Catalog Number: 5321

Jeffrey F. Hamburger 3800

Half course (throughout the year). Hours to be arranged.

Focuses on dissertations in progress and other research topics of mutual concern.

Note: Enrollment is open to all graduate students.



Cross-listed Courses

For courses of additional interest, please see courses taught by members of the Committee at the Graduate School of Design, Harvard Divinity School, and Harvard Law School.

Core Curriculum

[Culture and Belief 20 (formerly Historical Study A-27). Reason and Faith in the West]
[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[Historical Study B-13. Charlemagne and the Birth of Medieval Civilization](#)

[Historical Study B-19. The Renaissance in Florence]

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World](#)

[Literature and Arts A-67. Poetry and Power: The Celtic Bard]

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court](#)

[Literature and Arts C-20. The Hero of Irish Myth and Saga](#)

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'](#)

Celtic Languages and Literature

[Celtic 107. Early Irish History](#)

[Celtic 114. Early Irish Historical Tales]

[Celtic 137. Celtic Mythology]

[Celtic 138. Narrative Traditions of Medieval Wales](#)

[Celtic 151. The Literature of Medieval Celtic Christianity](#)

[Celtic 184. The *Táin*]

[Celtic 189. The Gaelic Learned Tradition - \(New Course\)](#)

[Celtic 200. Introduction to Old Irish](#)

[Celtic 201. Continuing Old Irish](#)

[Celtic 204r. Readings in Early Irish Poetry]

[Celtic 205r. Readings in Early Irish Prose]

[Celtic 225a. Introduction to Middle Welsh]

[Celtic 225b. Continuing Middle Welsh]

[Celtic 226r. Readings in Middle Welsh](#)

[Celtic 227. Seminar: Welsh Bardic Poetry](#)

The Classics

[Classical Philology 277. Latin Palaeography - \(New Course\)](#)

[Greek Bbm. Introduction to Late Antique and Mediaeval/Byzantine Poetry]

[Latin Bam \(formerly Latin 3m\). Latin Prose Selections \(Late Antique and Medieval\)](#)

[Latin Bbm \(formerly Latin 4m\). Introduction to Latin Poetry \(Late Antique and Medieval\)](#)

[Medieval Greek 115ar. Introduction to Byzantine Greek](#)

[Medieval Greek 125. Byzantine Religious Tales]



[Medieval Greek 185. Workshop in Greek Palaeography](#)
[Medieval Greek 195. Byzantine Saints' Lives of the 7th Century](#)
[Medieval Latin 105 \(formerly Medieval Latin 205\). *The Waltharius*](#)
[Medieval Latin 110. Latin Literature of the Twelfth Century - \(New Course\)](#)
[[Medieval Latin 115. The Cambridge Songs and Medieval Lyric](#)]

English

[English 102f. Anglo-Saxon Language and Culture: Heroic Poetry and Heroic Legend - \(New Course\)](#)
[English 104. Epic, romance, and saga: orality and literary history - \(New Course\)](#)
[*English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar](#)
[*English 209. Necessary Truths: William Langland, Julian of Norwich, and the Idea of Vernacular Learning: Graduate Seminar](#)
[*English 300hf. Old and Middle English: Doctoral Conference](#)

Folklore and Mythology

[*Folklore and Mythology 98a \(formerly *Folklore and Mythology 97b\). History and Theory of Folklore Methodology](#)

Freshman Seminars

[*Freshman Seminar 34j. Medieval and Early Modern Love Poetry](#)
[*Freshman Seminar 37i. Love, Medieval Style](#)

General Education

[Aesthetic and Interpretive Understanding 16. Openings: The Illuminated Manuscript - \(New Course\)](#)
[Culture and Belief 18. Enlightenments and their Literary Discontents - \(New Course\)](#)
[[Culture and Belief 24. Gregorian Chants](#)] - (New Course)
[Culture and Belief 27 \(formerly Jewish Studies 55\). Text and Context: Jews and their Books in Pagan, Christian and Muslim Surroundings](#)

Germanic Languages and Literatures

[[Scandinavian 150 \(formerly Scandinavian 80\). The Vikings and the Nordic Heroic Tradition](#)]
[Scandinavian 160a. Old Norse Language, Literature, and Culture: The Viking Legacy](#)
[Scandinavian 160br \(formerly Scandinavian 160b\). Old Norse Language, Literature, and Culture: Mythology](#)

Government

[Government 1060. Ancient and Medieval Political Philosophy](#)



History

[*History 71b \(formerly *History 1942\). The European Renaissance and Reformation, 1350-1650](#)

[*History 80b \(formerly *History 1122\). Persons and Things in Medieval Europe](#)

[\[*History 81b. Book History\]](#)

[*History 81f \(formerly History 1127\). Women's Voices in Medieval and Early Modern Europe](#)

[History 1040 \(formerly History 1111\). The Fall of the Roman Empire](#)

[\[History 1050 \(formerly History 1101\). Medieval Europe\]](#)

[History 1055 \(formerly History 1121\). Vengeance, Hatred, and Law in Premodern Europe](#)

[\[History 1060. Europe and Its Borders, 950-1550\]](#)

[\[History 1080 \(formerly History 1150\). The Jews in Muslim and Christian Spain\]](#)

[\[History 1110 \(formerly History 2310\). Problems in Late Medieval and Early Modern Europe 1250-1750: Conference Course\]](#)

[History 1114 \(formerly History 1514\). Early Modern Eastern Europe \(1450-1795\)](#)

[History 1166 \(formerly *History 71a\). Marriage, Sex, and Family in Western Europe, 1250-1750: Conference Course](#)

[\[History 1301 \(formerly History 20b\). Western Intellectual History: The Middle Ages to the Seventeenth Century\]](#)

[\[History 1877a \(formerly History 1877\). History of the Near East, 600-1055\]](#)

[History 1877b \(formerly *History 78b\). History of the Near East, 1055-1500: Conference Course](#)

[History 1878a. Ottoman State and Society I \(1300–1550\)](#)

[*History 2050 \(formerly *History 2101\). Medieval Societies and Cultures: Proseminar](#)

[History 2055 \(formerly History 2122\). Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean](#)

[\[History 2060 \(formerly History 2125\). Problems in High and Late Medieval History: Seminar\]](#)

[\[History 2080 \(formerly History 2126\). Medieval Law\]](#)

[\[History 2111. Classical and Neo-Latin Literature in the Italian Renaissance: Seminar\]](#)

[*History 2112 \(formerly *History 2473\). Latin Texts of the Italian Renaissance:](#)

[Proseminar](#)

[History 2884. Topics in Ottoman Social and Cultural History: Seminar](#)

[History 2885. Introduction to Archival Research in Ottoman History: Proseminar](#)

[History 2886. Topics in Islamic History: Seminar](#)

History and Literature

[*History and Literature 90x. Medieval Margins - \(New Course\)](#)

[*History and Literature 97. Tutorial — Sophomore Year](#)

History of Art and Architecture

[\[History of Art and Architecture 12m. Monuments and Cities of the Islamic World: An Introduction\]](#)



[History of Art and Architecture 55k. Northern Renaissance]
 [History of Art and Architecture 120n. Art of the Timurids in Greater Iran and Central Asia]
 [*History of Art and Architecture 140r. Family and Daily Life in Byzantium]
 [History of Art and Architecture 141k. Rome, Constantinople, Ravenna in the Light of Imperial Rule]
 [History of Art and Architecture 143r (formerly *History of Art and Architecture 143m). The Art of the Court of Constantinople]
[*History of Art and Architecture 146x. The Art of Devotion](#)
 [*History of Art and Architecture 149g. Casts, Construction and Commemoration: German Gothic in America and Abroad]
 [History of Art and Architecture 151k. Italian Artists as Competitors, ca. 1300-1700]
[History of Art and Architecture 152. Italian Renaissance Art](#)
 [History of Art and Architecture 152m. Leonardo da Vinci]
 [History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting]
 [*History of Art and Architecture 226e. Cross-Cultural Artistic Exchanges: Islamic and European Courts]
 [*History of Art and Architecture 229p. Word and Image in Persian Painting]
 [*History of Art and Architecture 240r. Topics in Byzantine Art : Manuscripts]
[*History of Art and Architecture 241n. Image-Text-Context](#)
 [*History of Art and Architecture 241r. Topics in Early Christian Art: Art and Politics in Late Antiquity]
 [*History of Art and Architecture 242. Issues of Interpretation in Medieval Art]
 [*History of Art and Architecture 243n. Hieronymus Bosch]
 [History of Art and Architecture 252k. The Age of Albrecht Durer]
 [*History of Art and Architecture 252y. Pieter Bruegel]
[*History of Art and Architecture 254p. The Invention of Portraiture](#)
 [*History of Art and Architecture 257r (formerly *History of Art and Architecture 257n). The Medieval Treasury]

History of Science

[History of Science 107. History of Medieval Science]
 [History of Science 112. Health, Medicine and Healing in Medieval and Renaissance Europe]
[History of Science 114v. From Angels to Monsters: Cosmology, Anthropology, and the Ends of the World - \(New Course\)](#)
 [History of Science 117. Science, Philosophy, and Religion in Late Antiquity and the Middle Ages]
[*History of Science 206r. The Continuum of Motion, Space and Change in Aristotle and the Aristotelian Tradition: Seminar - \(New Course\)](#)
[*History of Science 207r. Science, Philosophy and Religion in the Middle Ages and The Renaissance: Seminar - \(New Course\)](#)
 [History of Science 212. The Sciences of Life, Medicine and the Body in Medieval Renaissance Europe: Proseminar]
[History of Science 215r. Science and Culture in Late Medieval and Early Modern Europe:](#)



Seminar

History of Science 297r. Topics in the History of Medieval Latin Science

*History of Science 298r. The Establishment of Medieval Latin Scientific and Philosophical Texts: Seminar

Linguistics

[Linguistics 158r. From Indo-European to Old Irish]

Linguistics 168. Introduction to Germanic Linguistics

Linguistics 247. Topics in Germanic Linguistics

Linguistics 250. Old Church Slavonic

[Linguistics 251. Advanced Readings in Church Slavonic Texts]

Literature and Comparative Literature

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[Comparative Literature 251. Literary Criticism and Theory: Antiquity to the Renaissance] - (*New Course*)

Comparative Literature 252. The Literatures of Medieval Iberia: Approaches and Debates in their Comparative Study - (*New Course*)

[Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages]

Literature 163. Jewish Languages and Literature

Music

Music 1a. Introduction to Western Music from the Middle Ages to Mozart

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Music 212r. Chant: Seminar

[Music 213r. Topics in Medieval Polyphony]

Music 214r. Renaissance Music: Seminar

Near Eastern Languages and Civilizations

Arabic Ba (formerly Arabic 120a and 121a). Intermediate Arabic I

Arabic 146r. History of the Arabic Languages

[Arabic 150r. History of Classical Arabic Literature: Seminar]

[Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers]

Arabic 240r. Classical Arabic Philology

Arabic 245r. Classical Arabic Literature: Seminar

[Arabic 246r. Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar]

[Arabic 248r. Medieval Arabic Writings on Literary Theory and Criticism: Seminar]

Arabic 249r. Arabic Philosophical Texts: Seminar

[Arabic 250r. Arabic Theological Texts: Seminar]

Armenian 120. Armenian Magical Texts

[Hebrew 160. The Origins and Development of the Classical Jewish Liturgy]



[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

[Hebrew 176. Aristotle's Ethics in Medieval Jewish Thought]

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar](#)

[Jewish Studies 135. Jewish-Arab Encounters: the Classical Age](#)

[Jewish Studies 146 (formerly Jewish Studies 215). Does Glikl Stand Alone? Medieval and Early Modern Jewish Autobiographical Writing]

[Jewish Studies 168. Eighth-Century Prophets - \(New Course\)](#)

The Study of Religion

[Religion 45. Introduction to Christian Thought]

[Religion 1029. Jewish-Christian Interaction and Conflict, ca. 200-1789]

[Religion 1402. Early Christian Thought 2: The Latin Tradition]

[Religion 1403. The Mystical Theology of Dionysius the Areopagite]

[Religion 1411. Seminar: Saints, Sanctity, and Society in Ancient and Medieval Christianity](#)

[Religion 1421. The Gospel of Luke]

[Religion 1422. The Epistle to the Romans](#)

[Religion 1423. First Images of Christ—Earliest Christologies of the New Testament](#)

[Religion 1429. Augustine and His Heretics - \(New Course\)](#)

[Religion 1434. History of Western Christianity, 150-1100](#)

[Religion 1437. History of Western Christianity: 1100–1500](#)

[Religion 1446. Recent Trends in Medieval Ecclesiastical Historiography - \(New Course\)](#)

[Religion 1450. History of Christian Thought: The Medieval West]

Romance Languages and Literatures

[French 70a. Introduction to French Literature I: From the Middle Ages to Modernity](#)

[French 100. History of the French Language]

[French 102. Introduction to Medieval Literature and Old French]

[French 108. "Amours et armes": A Study of Medieval Romances](#)

[French 216. The Romance of the Rose and the Art of Debating - \(New Course\)](#)

[Italian 130c. Dante's Paradiso - \(New Course\)](#)

[Italian 140. The Human Comedy: the *novella* from its origins to the Renaissance]

[Italian 141. Renaissance Epic](#)

[Italian 230. Petrarca and the Divided Self]

[Romance Studies 79. Romance Languages and Cultures in Comparative Perspective](#)

[Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries)]

[Spanish 70a. Heroes, Rogues, Saints, Sinners: Archetypes of Spanish Literature]

[Spanish 110. Hispanic Literature: The Middle Ages]

[Spanish 201. Historia de la lengua española](#)

[Spanish 220. Jews and Judaism in Medieval Spanish]

Slavic Languages and Literatures



[Slavic 280r. Slavic Culture: Seminar](#)

[Slavic 291. Problems in the History of Early Ukrainian Literature]

Middle East Program

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Middle Eastern Studies

Cemal Kafadar, Vehbi Koc Professor of Turkish Studies (*Chair*)
Khaled El-Rouayheb, Assistant Professor of Islamic Intellectual History
Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History
Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality
Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature
Andrew Gordon, Lee and Juliet Folger Fund Professor of History
Michael Herzfeld, Professor of Anthropology (*on leave spring term*)
Baber Johansen, Professor of Islamic Studies (*Divinity School*)
Salmaan A. Keshavjee, Assistant Professor of Social Medicine (*Medical School*)
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
Mohsen Mostafavi, Alexander and Victoria Wiley Professor of Design, Dean of the Graduate School of Design (*Design School*)
Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art
E. Roger Owen, A. J. Meyer Professor of Middle East History
Michael J. Puett, Professor of Chinese History
Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)
Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs
Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
Richard K. Wolf, Professor of Music

The Center for Middle Eastern Studies was established for the purpose of integrating and reinforcing instruction and research in the languages, literatures, history, economics, and cultures of North Africa, the Middle East, and Islamic Central and South Asia, with the emphasis on the modern period. The Committee on Middle Eastern Studies is the degree committee that administers programs offered through the Center. To achieve its goals, the Center cooperates with departments within the Faculty of Arts and Sciences and with other faculties that have Middle Eastern interests, other regional studies centers, and various libraries and museums that



hold collections related to Middle Eastern and Islamic studies. The Center's aim is to offer a comprehensive program to provide integrated training for those planning careers in education, government service, or private industry, and to support research on the area.

The following degree programs are offered through the Center: Regional Studies Program—Middle East (AM): The program for this degree requires two years of study, leading to an AM. It seeks to give the student both a broad background and a special competence in selected fields of Middle Eastern studies. Each student's needs and interests, as well as previous experience and qualifications, are taken into account in planning his or her course of study. This program is comparable to other regional studies programs, such as those for Russia and East Asia.

Joint Programs for the PhD: The Faculty of Arts and Sciences has approved joint programs with other faculty departments for the degree of PhD in Middle Eastern studies and in the fields of anthropology, history, or history of art and architecture. A candidate for a joint PhD degree is usually expected to have completed an AM program in Middle Eastern studies or another relevant field, at Harvard or elsewhere, prior to admission as a doctoral candidate. Joint or concurrent degrees with other departments and faculties are possible on an *ad hoc* basis.

Languages: Competency in one or more of the languages of the Middle East is critical to advanced studies in this field. The Master's program requires all students to attain a reading and speaking competence, at least at the intermediate level, in one of the major modern Middle Eastern languages: Arabic, Hebrew, Persian, or Turkish. Students who already have an adequate knowledge of one such language, and native speakers, will be required to study a second language. The PhD programs vary in their language requirements. In most cases, students must attain a thorough knowledge of a modern Middle Eastern language (see above), as well as a reading knowledge of one of the European languages: German, French, Italian, or Russian. In the History and Middle Eastern Studies Program, a written exam will be required in the language of the candidate's primary research, covering both primary and secondary sources in that language. As in the Master's program, native speakers of Middle Eastern languages will be required to attain competence in a second Middle Eastern language. (For specific details on language requirements and language proficiency examinations, see the degree supplement *Degree Programs in Middle Eastern Studies*. Please note that the departments involved in the joint PhD programs, as well as the Committee on Middle Eastern Studies, at times revise their language requirement policies. Students are expected to keep in touch with their advisors and relevant language instructors at all times so they may be informed of possible changes to those requirements.)

Courses: The Center for Middle Eastern Studies publishes a list of Middle Eastern-related courses on its website. Middle Eastern-related courses are offered in the Department of Near Eastern Languages and Civilizations—courses in Akkadian, Ancient Near East, Arabic, Aramaic, Armenian, Armenian Studies, Early Iranian Civilizations, Ethiopic, Hebrew (Classical and Modern), Hebrew Literature and History, Iranian, Islamic Civilizations, Near Eastern Civilizations, Persian, Postbiblical Jewish Studies, Semitic Philology, Sumerian, and Turkish; and the Department of History—courses in Byzantine, Islamic, Judaic, and modern Middle Eastern history. Other appropriate courses are offered in the departments of Anthropology, Classics, Comparative Literature, the Core Curriculum, Fine Arts, Government, Linguistics,



Music, Psychology, Sanskrit and Indian Studies, Slavic Languages and Literatures, Sociology, and the Study of Religion. Middle Eastern-related courses are also taught in the graduate schools of Business, Design, Divinity, Law, and Government. For more information about these programs, please refer to the degree supplement, *Degree Programs in Middle Eastern Studies*.

Middle Eastern Studies

***Middle Eastern Studies 299b. Master's Thesis Reading and Research - (New Course)**

Catalog Number: 33251

Susan M. Kahn and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Supervised reading, research and writing of master's thesis. Generally taken by master's students in the final semester of the AM program in Regional Studies - Middle East.

Mind, Brain, and Behavior

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Mind, Brain, and Behavior

Richard W. Wrangham, Harvard College Professor, Ruth Moore Professor of Biological Anthropology (*Co-Chair*)

Sean D. Kelly, Professor of Philosophy (*Co-Chair*)

George Angelo Alvarez, Assistant Professor of Psychology

Matthew Boyle, Assistant Professor of Philosophy

Randy L. Buckner, Professor of Psychology and of Neuroscience

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology

Verne S. Caviness, Jr., Giovanni Armenise - Harvard Professor of Neurology (*Medical School*)

Gennaro Chierchia, Haas Foundations Professor of Linguistics (*on leave fall term*)

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*), Professor of Ophthalmology (*Medical School*)

Florian Engert, Professor of Molecular and Cellular Biology

Kurt W. Fischer, Charles Bigelow Professor of Education (*Education School*)

Alice Weaver Flaherty, Assistant Professor of Neurology (*Medical School*)

Krzysztof Z. Gajos, Assistant Professor of Computer Science

Albert M. Galaburda, Emily Fisher Landau Professor of Neurology (*Medical School*)

Howard E. Gardner, John H. and Elisabeth A. Hobbs Professor of Cognition and Education (*Education School*)

Daniel T. Gilbert, Harvard College Professor, Professor of Psychology

Peter Godfrey-Smith, Professor of Philosophy



Joshua D. Greene, Assistant Professor of Psychology
 Anne Harrington, Professor of the History of Science
 Marc D. Hauser, Professor of Psychology
 Hopi E. Hoekstra, John L. Loeb Associate Professor of the Natural Sciences
 Christine Hooker, Assistant Professor of Psychology (*on leave 2009-10*)
 Karen L. Kramer, Associate Professor of Human Evolutionary Biology
 Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
 Gabriel Kreiman, Assistant Professor of Ophthalmology (*Medical School*)
 David I. Laibson, Harvard College Professor, Robert I. Goldman Professor of Economics (*on leave spring term*)
 Carole Landisman, Assistant Professor of Neurology (*Medical School*)
 Douglas Lavin, Associate Professor of Philosophy
 Jeff W. Lichtman, Professor of Molecular and Cellular Biology
 Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)
 Richard J. McNally, Professor of Psychology
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Jason P. Mitchell, Assistant Professor of Psychology (*on leave 2009-10*)
 Charles A. Nelson, Professor of Pediatrics (*Medical School*)
 Andrew Nevins, Associate Professor of Linguistics (*on leave spring term*)
 Charles Lindsay Nunn, Associate Professor of Human Evolutionary Biology (*on leave spring term*)
 Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology
 Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment
 Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera
 Steven Pinker, Harvard College Professor, Johnstone Family Professor of Psychology (*on leave spring term*)
 Maria Polinsky, Professor of Linguistics
 Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs
 Aravinthan D. T. Samuel, Associate Professor of Physics
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Stuart M. Shieber, James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
 Susanna Siegel, Professor of Philosophy
 Alison Simmons, Samuel H. Wolcott Professor of Philosophy
 Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology (*on leave spring term*)
 Robert A. Stickgold, Associate Professor of Psychiatry (*Medical School*)
 Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology
 Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
 Felix Warneken, Assistant Professor of Psychology
 Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Mind, Brain, and Behavior

Coren Lee Apicella, College Fellow in the Department of Anthropology
 Paola Arlotta, Assistant Professor of Stem Cell and Regenerative Biology (*FAS*), Assistant Professor of Surgery (*Medical School*)



John A. Assad, Professor of Neurobiology (*Medical School*)
 Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics
 Greg M. Barron, Assistant Professor of Business Administration (*Business School*) (*spring term only*)
 John C. Barry, Lecturer on Human Evolutionary Biology
 Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
 Bruce P. Bean, Professor of Neurobiology (*Medical School*)
 Jonathan R. Beckwith, American Cancer Society Professor of Microbiology and Molecular Genetics (*Medical School*)
 Andrew J. Berry, Lecturer on Organismic and Evolutionary Biology
 Mario Biagioli, Professor of the History of Science
 Andrew A. Biewener, Charles P. Lyman Professor of Biology
 Susan E. Carey, Henry A. Morss, Jr. and Elisabeth W. Morss Professor of Psychology
 Jang-Ho J. Cha, Associate Professor of Neurology
 Judith F. Chapman, Lecturer on Human Evolutionary Biology (*fall term only*)
 Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
 David P. Corey, Professor of Neurobiology (*Medical School*)
 Charles A. Czeisler, Frank Baldino, Jr., Ph.D. Professor of Sleep Medicine (*Medical School*)
 Albert S.M. Edge, Associate Professor of Otology and Laryngology
 Scott V. Edwards, Professor of Organismic and Evolutionary Biology
 Nancy Lee Etcoff, Clinical Instructor in Psychology (*Medical School*)
 Stan Neil Finkelstein, Senior Lecturer on Medicine (*Medical School*)
 Walter Fontana, Professor of Systems Biology (*Medical School*)
 Matthew P. Frosch, Associate Professor of Pathology and Health Sciences and Technology (*Medical School*)
 Ian Christopher Gilby, Lecturer on Human Evolutionary Biology (*fall term only*)
 Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics
 Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic
 Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
 Lisa V. Goodrich, Associate Professor of Neurobiology (*Medical School*)
 Chenghua Gu, Assistant Professor of Neurobiology (*Medical School*)
 Jeremy M. Gunawardena, Senior Lecturer on Systems Biology (*Medical School*)
 J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology
 Paul Lansley Harris, Victor S. Thomas Professorship in Education.
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*), Professor of Neurology (*Medical School*)
 Gene M. Heyman (*Medical School*)
 Jill M. Hooley, Professor of Psychology (*on leave spring term*)
 Carole K. Hooven, Lecturer on Human Evolutionary Biology (*spring term only*)
 C.-T. James Huang, Professor of Linguistics
 Steven E. Hyman, Professor of Neurobiology (*Medical School*) and Provost of Harvard University
 Sarah Jansen, Associate Professor of the History of Science



Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies, John F. Kennedy School of Government
 Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*) (*fall term only*)
 Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology in the Faculty of Medicine, Professor of Medical Anthropology in the Department of Social Medicine (*Medical School*)
 Peter Koellner, John L. Loeb Associate Professor of the Humanities
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Stephen M. Kosslyn, John Lindsley Professor of Psychology in Memory of William James, Dean of Social Science
 Samuel M. Kunes, Professor of Molecular and Cellular Biology
 Ellen J. Langer, Professor of Psychology (*on leave spring term*)
 George V. Lauder, Professor of Biology
 Rebecca M. Lemov, Assistant Professor of the History of Science
 Daniel E. Lieberman, Professor of Anthropology
 Susan F. Lipson, Lecturer on Human Evolutionary Biology
 Qiufu Ma, Associate Professor of Neurobiology (*Medical School*)
 Jeffrey D. Macklis, Professor of Stem Cell & Regenerative Biology and Professor of Surgery and Neurology, Harvard Medical School
 Charles R. Marshall, Professor of Biology and of Geology
 Richard H. Masland, Charles Anthony Pappas Professor of Neuroscience (*Medical School*)
 John Maunsell, Alice and Rodman W. Moorhead III Professor of Neurobiology (*Medical School*)
 Wendy Mendes, John L. Loeb Associate Professor of the Social Sciences (*on leave 2009-10*)
 Daniel M. Merfeld, Associate Professor of Otology and Laryngology (*Medical School*)
 Sendhil Mullainathan, Professor of Economics
 Venkatesh N. Murthy, Professor of Molecular and Cellular Biology
 Radhika Nagpal, Thomas D. Cabot Associate Professor of Computer Science (*fall term only*)
 Ken Nakayama, Edgar Pierce Professor of Psychology
 Bernhard Nickel, Assistant Professor of Philosophy
 Matthew K. Nock, John L. Loeb Associate Professor of the Social Sciences, Professor of Psychology
 Martin A. Nowak, Professor of Mathematics and of Biology
 David C. Parkes, Gordon McKay Professor of Computer Science
 Johan M. Paulsson, Associate Professor of Systems Biology (*Medical School*)
 David Pilbeam, Henry Ford II Professor of Human Evolution
 Diego Pizzagalli, John and Ruth Hazel Associate Professor of the Social Sciences
 James J. Quattrochi, Lecturer on Molecular and Cellular Biology
 Wade G. Regehr, Professor of Neurobiology (*Medical School*)
 Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences (*on leave fall term*)
 Alvin E. Roth, George Gund Professor of Economics and Business Administration
 Robert H. Rubin, Gordon and Marjorie Osborn Professor of Health Sciences and Technology and Professor of Medicine (*Medical School*)
 Maryellen Ruvolo, Professor of Human Evolutionary Biology
 Bernardo L. Sabatini, Associate Professor of Neurobiology (*Medical School*)
 Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology (*on leave fall term*)
 Dietmar Schmucker, Associate Professor of Neurobiology (*Medical School*)



Thomas L. Schwarz, Professor of Neurology and Neurobiology (*Medical School*)
 Rosalind A. Segal, Professor of Neurobiology (*Medical School*)
 James Sidanius, Professor of Psychology and of African and African American Studies
 Craig Elliot Smith, Lecturer on Psychology
 Jesse Snedeker, John L. Loeb Associate Professor of the Social Sciences
 Haim I. Sompolsky, Visiting Professor of Molecular and Cellular Biology (*Hebrew University*)
 Alan A. Stone, Touroff-Glueck Professor of Law and Psychiatry (*Law School, Medical School*)
 Daniel M. Wegner, Professor of Psychology (*on leave spring term*)
 Tamily A. Weissman, Lecturer on Molecular and Cellular Biology
 John R. Weisz, Professor of Psychology
 Charles J. Weitz, Robert Henry Pfeiffer Professor of Neurobiology (*Medical School*)
 Rachel I. Wilson, Assistant Professor of Neurobiology (*Medical School*)
 Yaoda Xu, Assistant Professor of Psychology
 Gary I. Yellen, Professor of Neurobiology (*Medical School*)
 Todd Zickler, John L. Loeb Associate Professor of the Natural Sciences

The Committee on Mind, Brain, and Behavior is an interdisciplinary group of scholars appointed to coordinate the teaching of neuroscience and related fields among Harvard's departments. Working closely with the University's Mind/Brain/Behavior Interfaculty Initiative, the Committee is designed to advance knowledge of neuroscience at multiple levels of analysis ranging from the molecular events within individual neurons to the behavior of organisms (including humans) in a wider environmental and social context. The Committee coordinates the wide and varied course offerings that address methods, findings, and theory in neuroscience; helps students learn of opportunities within the various fields allied with neuroscience; and promotes interdisciplinary interaction among members of these fields.

For undergraduate students wishing to specialize in an area related to the neurosciences, specialized tracks are currently available in nine concentrations: Anthropology (Biological Anthropology), Biology, Computer Science, History and Science, Human Evolutionary Biology, Linguistics, Neurobiology, Philosophy, and Psychology. MBB also offers a secondary field. For specific track and secondary field requirements, consult <http://mbb.harvard.edu>.

Foundation courses are required or recommended in all tracks so that all MBB students can interact. The foundation courses include Science B-62, The Human Mind: Introduction to Mind, Brain, and Behavior; MCB 80, Neurobiology of Behavior; and one of several designated interdisciplinary seminars listed below. The track program, which results in a Certificate in Mind/Brain/Behavior, also includes a sophomore symposium, a junior symposium, and senior thesis workshops.

Primarily for Undergraduates: Foundation Courses

[MCB 80. Neurobiology of Behavior](#)
[Science of Living Systems 20. Psychological Science - \(New Course\)](#)

Primarily for Undergraduates



***Mind, Brain, and Behavior 90r. Supervised Research: Topics in Mind/Brain/Behavior**

Catalog Number: 8784

Sean D. Kelly and MBB Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised individual research leading to a tutorial paper.

Note: Application required; consult MBB website.

***Mind, Brain, and Behavior 97z. Interspecies Communication: Can We Really Talk to the Animals - and What Would It Mean? - (New Course)**

Catalog Number: 34989 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Irene Pepperberg

Half course (spring term). Hours to be arranged.

Teaching animals elements of human language was once considered cutting-edge science, but is now deemed worthy of little more than a chapter in comparative psychology textbooks.

Considers rationale behind the original studies. Examines their successes and failures, and the political and scientific reasons most projects have ended. Would renewed interest in animal language re-energize studies on similarities and differences in human and nonhuman communicative behavior? What would we learn about the evolution of language?

Primarily for Undergraduates: Interdisciplinary Seminars

[*Mind, Brain, and Behavior 91 (formerly *Mind, Brain, and Behavior 98). Music, Mind, and Brain]

Catalog Number: 3562 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Mark J. Tramo (Medical School)

Half course (fall term). Th., 6:30–9:30 p.m. EXAM GROUP: 18

Takes a multidisciplinary approach to understanding brain mechanisms mediating music perception, performance, and cognition. Students master relevant topics in cognitive psychology, psychophysics, neuroanatomy, neurophysiology, neurology, and brain imaging. Individual seminars are thematic (e.g., harmony perception, emotion and meaning in music, musical talent and creativity). Provides students with opportunity to develop oral presentation skills and ability to critically read original research papers published in professional journals (e.g., *Journal of Neuroscience*, *Journal of Experimental Psychology*).

Note: Expected to be given in 2010–11. Expect to be omitted 2010-2011.

***Mind, Brain, and Behavior 92 (formerly Psychology 987d). A Systems Neuroscience Approach to Conscious Perceptual Experience**

Catalog Number: 7390 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Sean D. Kelly and members of the Department

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Join renowned neuroscientists from Harvard and elsewhere who will lead highly interactive seminars addressing core problems underlying the emergence of conscious visual experience. Topics include the requisite neuronal representations of the content of visual images, their



localization within extrapersonal space and the sense of ownership of such images by a self. Subsidiary topics include selective attention, the binding problem, binocular rivalry, change blindness, recursive neuronal networks and distinction between phenomenal and access consciousness.

[*Mind, Brain, and Behavior 93 (formerly Psychology 987f). The Biology of Conscious States: Waking, Sleeping, and Dreaming]

Catalog Number: 5017 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Robert A. Stickgold (Medical School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Focuses on waking, sleeping, and dreaming as examples of conscious states in both humans and animals. Original papers and books by Allan Hobson (The Dreaming Brain) and Antonio Damasio (The Feeling of What Happens) form the background for discussions of waking, sleeping, and dreaming from the perspectives of neurology, physiology, psychology, and cognitive neurosciences. Discusses various approaches to understanding the functions of sleep and wake (consciousness) and reviews several theories on the topic.

Note: Expected to be given in 2010–11.

***Mind, Brain, and Behavior 94 (formerly Psychology 987g). Theories of Violence**

Catalog Number: 3767 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Alan A. Stone (Law School, Medical School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Considers how culture, law, and science construct violence. Reviews clinical examples of violence (videotapes of a serial killer, a sexually violent predator, a case of maternal infanticide, and violence by law enforcement) and the responses of the courts and the criminal justice system. Then critically examines the spectrum of scientific theories and psychiatric diagnoses that seek to delineate and explain human violence.

***Mind, Brain, and Behavior 95 (formerly Psychology 987h). Addiction and Motivation**

Catalog Number: 4890 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Gene M. Heyman (Medical School)

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Provides understanding of self-destructive behavior, focusing largely on drug addiction. Provides insight into nature of voluntary behavior; requires appreciation of recent advances in understanding relationships among behavior, biology, and experience, e.g., role of experience in gene expression and brain plasticity. Topics include behavioral trait heritability; epidemiology and history of drug use; OCD and addiction; contribution of laboratory research to study of choice and motivation (matching law, hyperbolic discounting, stable but suboptimal choice distributions).

***Mind, Brain, and Behavior 96 (formerly Psychology 987i). The Science of Happiness**

Catalog Number: 2517 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.



Nancy Lee Etcoff (Medical School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Focuses on the science of happiness, integrating findings from positive psychology, psychiatry, behavioral genetics, neuroscience, and behavioral economics. Begins with a brief history of ideas on happiness from Aristotle to Kahneman. Considers the genetics of happiness including the notion of a biologically determined hedonic set point, the brain's pleasure circuitry, and the mind's power to frame events positively, a tool used in cognitive therapies. Questions whether pleasure and happiness are our purpose.

***Mind, Brain, and Behavior 99. Why We Love: Seminar - (New Course)**

Catalog Number: 58924 Enrollment: Preference to juniors in MBB tracks or MBB secondary field.

Lawrence J. Friedman

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

Investigates classics on love including Shakespeare poems and plays, Hawthorne's *Scarlet Letter*, Flaubert's *Madame Bovary*, Lawrence's *Lady Chatterley's Lover*, Gilligan's *The Birth of Pleasure*; and classic films including *Wild Strawberries* and *My Big, Fat Greek Wedding*. Discusses nature of "love" with authors, film producers, and interdisciplinary scholars. Students prepare position papers using course materials to come to their own formulation on multiple dimensions of "love."

For Undergraduates and Graduates

Additional Interdisciplinary Seminars

***History of Science 176. Brainwashing and Modern Techniques of Mind Control - (New Course)**

Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar

Human Evolutionary Biology 1383. Why Be Nice? The Biological Basis of Cooperation - (New Course)

***Neurobiology 95hfd (formerly *Biology 95hfd). Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

***Neurobiology 95hfe. Synaptic Plasticity: How the Brain Learns, Remembers and Adjusts to Its Environment**

***Neurobiology 95hfh. Bird Song and Human Language: Learning from the Birds**

***Neurobiology 95hfj (formerly *Biology 95hfj). The Sleeping Brain**

***Neurobiology 95hfm. Neuroanatomically Correct - (New Course)**

***Neurobiology 95hfn. Vision: How it Functions and Why It Fails - (New Course)**

***Neurobiology 95l. Neuropharmacology: Principles and Future Prospects - (New Course)**

Philosophy 158z. Philosophy of Psychology - (New Course)

***Philosophy 176q. Moral Psychology: Proseminar - (New Course)**

Courses for Undergraduates and Graduates

Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry

Neurobiology 209. Neurobiology of Disease



Science B-29. Evolution of Human Nature

[Science B-60. Origins of Knowledge]

Additional Courses

[*BCMP 213. Behavioral Pharmacology]

BCMP 230. Principles and Practice of Drug Development

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Computer Science 182. Intelligent Machines: Reasoning, Actions, and Plans

[Computer Science 187. Computational Linguistics]

[Computer Science 228. Computational Learning Theory]

***Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems**

[Computer Science 281r. Artificial Intelligence: Reasoning and Planning Systems]

[Computer Science 282. Probabilistic Reasoning]

Computer Science 283. Computer Vision

[Computer Science 285. Multi-Agent Systems]

Computer Science 286r. Topics at the Interface between Computer Science and Economics

Computer Science 287r. Natural Language Processing

[Economics 1030. Psychology and Economics]

[Economics 1035. Policy Applications of Psychology and Economics]

Economics 2001. The Behavioral & Experimental Economics Workshop

[Economics 2059. Decision Theory]

Economics 2728. Behavioral Finance

Engineering Sciences 145. Physiological Systems Analysis

[Engineering Sciences 149. Neural Control of Movement]

[Engineering Sciences 157. Speech and Audio Processing]

[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]

[History of Science 131. History of Biology]

History of Science 137. Dogs and How We Know Them

[History of Science 140. Disease and Society]

History of Science 150. History of Social Science

[*History of Science 171. Narrative and Neurology]

[History of Science 172. Managing the Mind]

History of Science 174. Critical Experiments in the Human Sciences

[History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine]

[History of Science 238. Rethinking the Darwinian Revolution: Seminar]

[History of Science 240. The Body in Health and Disease: Seminar]

[History of Science 242. Caring and Curing: Seminar]

[History of Science 243. The Making of Modern Medicine: Seminar]

***History of Science 253. Bioethics, Law, and the Life Sciences**

History of Science 257. Post-Human Science Studies

[History of Science 258. The Normal and the Abnormal]

[*History of Science 294. Tools, Instruments, and Extended Cognition]

Human Evolutionary Biology 1310 (formerly Anthropology 1310). Hormones and Behavior

Human Evolutionary Biology 1330 (formerly Anthropology 1330). Primate Social Behavior



[Human Evolutionary Biology 1331. Comparison and Adaptation in Primate Evolutionary Biology]

[Human Evolutionary Biology 1333. Primate Disease Ecology]

[Human Evolutionary Biology 1351. Reproductive Ecology]

[Human Evolutionary Biology 1371. Paternity, Fidelity and Parenting]

[*Human Evolutionary Biology 1375 (formerly *Anthropology 1375). Testosterone and Human Behavior]

[Human Evolutionary Biology 1380 \(formerly Anthropology 1380\). The Behavioral Biology of Women](#)

[*Human Evolutionary Biology 1418 \(formerly *Anthropology 1418\). Endocrinology and Behavior: Research Seminar](#)

[*Human Evolutionary Biology 1450. Human Evolutionary Genetics](#)

[Human Evolutionary Biology 1455. Primate Genetics - \(New Course\)](#)

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

[Human Evolutionary Biology 1490. Primate Evolution](#)

[Human Evolutionary Biology 1565. Theories of Sexual Coercion]

[Human Evolutionary Biology 2305. Advanced Topics in Human Evolutionary Biology]

[*Human Evolutionary Biology 2312. Current Topics in Human Evolutionary Genetics](#)

[Human Evolutionary Biology 2430 (formerly Anthropology 229). Behavioral Biology Seminar]

[*Human Evolutionary Biology 2595ar (formerly *Anthropology 295ar). Laboratory Methods in Evolutionary Genetics]

[*Human Evolutionary Biology 2595br \(formerly *Anthropology 295br\). Laboratory Methods in Evolutionary Genetics](#)

[Life Sciences 2. Evolutionary Human Physiology and Anatomy](#)

[Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature]

[Linguistics 83. Language, Structure, and Culture]

[Linguistics 88. Language and Cognition]

[Linguistics 110. Introduction to Linguistics](#)

[Linguistics 112a. Introduction to Syntactic Theory](#)

[Linguistics 112b. Intermediate Syntax](#)

[Linguistics 115a. Introduction to Phonetics and Phonology](#)

[Linguistics 115b. Intermediate Phonology](#)

[Linguistics 116a. Introduction to Semantics]

[Linguistics 116b. Intermediate Semantics]

[Linguistics 130. Psycholinguistics]

[Linguistics 132. Psychosemantics]

[Linguistics 146. Syntax and Processing]

[Linguistics 148. Language Universals](#)

[Linguistics 188r. Biolinguistics]

[Linguistics 202r \(formerly Linguistics 202\). Advanced Syntax](#)

[Linguistics 205r. The Syntax-Semantics Interface](#)

[Linguistics 207r. Topics in Semantics](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics](#)



[MCB 105. Systems Neuroscience](#)

[MCB 115. Cellular Basis of Neuronal Function](#)

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 131. Computational Neuroscience](#)

[\[MCB 141. Molecular and Developmental Neurobiology\]](#)

[*MCB 145 \(formerly *Neurobiology 95hfb\). Neurobiology of Perception and Decision Making](#)

[*MCB 146 \(formerly *Neurobiology 95c\). Experience-Based Brain Development: Causes and Consequences](#)

[MCB 147. Brain Circuits - \(New Course\)](#)

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[MCB 206. Introduction to Connectomics](#)

[Microbiology 213. Social Issues in Biology](#)

[\[Music 235r. Cognitive Theories of Music\]](#)

[\[Neurobiology 130 \(formerly Psychology 1205\). Drugs and the Brain: From Neurobiology to Ethics\]](#)

[*Neurobiology 135 \(formerly *Psychology 2350\). Current Topics in Cognitive Neuroscience Research](#)

[Neurobiology 200. Introduction to Neurobiology](#)

[Neurobiology 204. Neurophysiology of Central Circuits](#)

[Neurobiology 207. Developmental Neurobiology](#)

[*Neurobiology 220. Cellular Neurophysiology](#)

[Neurobiology 221. Molecular Neurobiology](#)

[OEB 53 \(formerly Biological Sciences 53\). Evolutionary Biology](#)

[OEB 57 \(formerly Biological Sciences 57\). Animal Behavior](#)

[\[OEB 125. Molecular Ecology and Evolution\]](#)

[OEB 145. Genes and Behaviors - \(New Course\)](#)

[\[OEB 174r. Topics in Behavioral Ecology\]](#)

[OEB 223. Topics in Neurogenetics](#)

[*Pathology 205. Molecular Biology of the Auditory System](#)

[Philosophy 3. Introduction to the Problems of Philosophy](#)

[Philosophy 8. Introduction to Early Modern Philosophy](#)

[Philosophy 137. The Later Philosophy of Wittgenstein](#)

[Philosophy 144. Logic and Philosophy](#)

[Philosophy 152. Philosophy of Biology](#)

[Philosophy 156. Philosophy of Mind](#)

[Philosophy 158z. Philosophy of Psychology - \(New Course\)](#)

[Physics 136. Physics of NMR Imaging with Medical Applications \(formerly Physics of Medical Imaging\)](#)

[Physics 141. The Physics of Sensory Systems in Biology](#)

[Psychology 13. Cognitive Psychology](#)

[Psychology 15. Social Psychology](#)

[*Psychology 16. Developmental Psychology: Psychology of Early Childhood](#)

[Psychology 18. Abnormal Psychology](#)

[*Psychology 950. Psychology Live!](#)

[*Psychology 980c. Thinking About Others: Perception, Prejudice, and Intergroup Conflict](#)



- (New Course)

*Psychology 980d. Cooperation and Altruism - (New Course)

*Psychology 980e. Psychology of Relationships: Seminar - (New Course)

[*Psychology 1151. Cognitive Evolution: Theory and Practice]

*Psychology 1152r. Cognitive Evolution Lab

[*Psychology 1304. Cognitive Neuropsychology]

*Psychology 1307. Brain Genomics - (New Course)

*Psychology 1352. Foundations of Cognitive Neuroscience Research

[*Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!)]

*Psychology 1357. Puzzles of the Mind: Humans, Animals, Robots: Seminar - (New Course)

[*Psychology 1359. Words, Actions, and Objects]

Psychology 1430. Human Memory and Amnesia

*Psychology 1501. Social Psychology of Organizations

[Psychology 1505. Social Cognition]

[*Psychology 1506. Social Neuroscience]

*Psychology 1551. Mind Perception

*Psychology 1554. Decision Making and Negotiation: Seminar - (New Course)

[*Psychology 1572. Stress and Health: Concentration Seminar]

Psychology 1604. Social Development - (New Course)

Psychology 1607. Cognitive Development, Education, and the Brain

*Psychology 1651r (formerly *Psychology 1651). Language Development: Undergraduate Laboratory Course: Research Seminar

*Psychology 1652r. Laboratory in Early Cognitive Development

*Psychology 1654. Topics in Cognitive Development: Seminar - (New Course)

*Psychology 1655r. Conceptual Development: Undergraduate Laboratory Course

Psychology 1701. Personality Psychology

[Psychology 1801. Anxiety Disorders]

[Psychology 1808. Neurobiological Aspects of Psychopathology]

[*Psychology 1851. Clinical Psychology: Science and Practice]

*Psychology 1853. Self-Destructive Behaviors

[Psychology 1854. Schizophrenia: Seminar]

*Psychology 1855. Mood Disorders: Seminar

*Psychology 1861. Developmental Psychopathology

*Psychology 2050. History of Psychology: Seminar

Psychology 2110. Emotional Development: Biology, Relationships, Culture

*Psychology 2150r (formerly *Psychology 2150). Social Cognitive Development: Research Seminar - (New Course)

*Psychology 2170. Developmental Proseminar

*Psychology 2185. Unconscious Processing in Vision and Action - (New Course)

*Psychology 2190. Topics in Language Acquisition

[*Psychology 2280. Language and Human Nature]

[*Psychology 2351. Construction and Function of Memory: Seminar]

*Psychology 2352r. Laboratory for Social Cognitive Neuroscience

*Psychology 2354r. Advanced Laboratory in Cognitive Neuroscience

*Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar

*Psychology 2356r. Visual Cognition: Research Seminar



[*Psychology 2358r. Memory: Research Seminar](#)

[*Psychology 2381. Hot Topics in Cognitive Science and Neuroscience] - *(New Course)*

[*Psychology 2436r. Social Neuroscience and Psychopathology Laboratory](#)

[*Psychology 2441. Clinical Neuroscience](#)

[*Psychology 2445. Psychological Treatment Research](#)

[Psychology 2446r. Clinical Research Laboratory](#)

[*Psychology 2450. Affective and Social Neuroscience]

[Psychology 2461r. Laboratory for Clinical and Developmental Research](#)

[*Psychology 2464. Research Methods in Child & Adolescent Clinical Psychology](#)

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar]

[Psychology 2482. Neuropsychological Assessment]

[*Psychology 2500. Advanced Social Psychology]

[*Psychology 2530r. Mental Control: Research Seminar](#)

[*Psychology 2552. Moral Cognition]

[*Psychology 2553r. Decision Making and Negotiation: Research Seminar](#)

[*Psychology 2554r. Moral Cognition: Research Seminar](#)

[*Psychology 2555r. Emotion and Decision Making: Research Seminar]

[*Psychology 2570r. Intergroup Relations: Research Seminar](#)

[*Psychology 2580r. Affective Forecasting: Research Seminar](#)

[*Psychology 2600. Consciousness]

[*Psychology 2610r. Social Psychophysiology: Research Seminar](#)

[*Psychology 2640r. The Understand Seminar](#)

[*Psychology 2650. Behavioral Approaches to Decision Making and Negotiation]

[*Psychology 2660r. Research Seminar in Mindfulness Theory](#)

[*Psychology 2670a. Decision Making and the Psychology of Possibility](#)

[*Psychology 2670b. Decision Making and the Psychology of Possibility II]

[*Psychology 2751. Free Will, Responsibility, and Law]

[*Psychology 2752. Personality Disorders Seminar]

[*Psychology 2851r. Affective Neuroscience: Research Seminar](#)

[Quantitative Reasoning 22. Deductive Logic](#)

[Science of Living Systems 16. Human Evolution and the Human Body](#)

[SCRB 180. Repair and Regeneration in the Mammalian Brain - *\(New Course\)*](#)

[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology](#)

[Social Analysis 34. Knowledge of Language](#)

[Social Analysis 43. Psychological Trauma]

[Systems Biology 200. A Systems Approach to Biology](#)

Molecular and Cellular Biology



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Molecular and Cellular Biology

Catherine Dulac, Higgins Professor of Molecular and Cellular Biology (*Chair, Co-Director of Graduate Studies*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Tamara J. Brenner, Lecturer on Molecular and Cellular Biology

Briana Burton, Assistant Professor of Molecular and Cellular Biology

Philippe Cluzel, Professor of Molecular and Cellular Biology and Gordon McKay Professor of Applied Physics

Victoria M. D'Souza, Assistant Professor of Molecular and Cellular Biology

Vladimir Denic, Assistant Professor of Molecular and Cellular Biology

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*), Professor of Ophthalmology (*Medical School*)

Florian Engert, Professor of Molecular and Cellular Biology

Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology

Nicole J. Francis, Associate Professor of Molecular and Cellular Biology

Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology (*Co-head Tutor, Biochemical Sciences*)

William M. Gelbart, Professor of Molecular and Cellular Biology

Guido Guidotti, Higgins Professor of Biochemistry

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences

Elizabeth Jean Heller, Preceptor in Molecular and Cellular Biology

Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*), Professor of Neurology (*Medical School*)

Craig P. Hunter, Professor of Molecular and Cellular Biology

David Jeruzalmi, Associate Professor of Molecular and Cellular Biology

Nancy Kleckner, Herchel Smith Professor of Molecular Biology

Samuel M. Kunes, Professor of Molecular and Cellular Biology

Evan Lau, Preceptor in Molecular and Cellular Biology

Andres Leschziner, Assistant Professor of Molecular and Cellular Biology

Jeff W. Lichtman, Professor of Molecular and Cellular Biology

Richard M. Losick, Maria Moors Cabot Professor of Biology (*Co-Head Tutor, Biochemical Sciences; Head Tutor, Molecular and Cellular Biology*)

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Director of Life Sciences Education*)

Susan Mango, Professor of Molecular and Cellular Biology

Thomas Maniatis, Jeremy R. Knowles Professor of Molecular and Cellular Biology, Jeremy R. Knowles Professor of Molecular and Cellular Biology, Emeritus

Tara Mann, Preceptor in Molecular and Cellular Biology

Brandeis Michelle Mcbratney-owen, Preceptor in Molecular and Cellular Biology

Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology (*Co-Director of Graduate Studies*)



Matthew Meselson, Thomas Dudley Cabot Professor of the Natural Sciences
 Matthew Michael, Associate Professor of Molecular and Cellular Biology
 Andrew W. Murray, Herchel Smith Professor of Molecular Genetics (*on leave 2009-10*)
 Venkatesh N. Murthy, Professor of Molecular and Cellular Biology
 Daniel Joseph Needleman, Assistant Professor of Applied Physics
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics (*on leave fall term*)
 Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*on leave 2009-10*)
 James J. Quattrochi, Lecturer on Molecular and Cellular Biology
 Sharad Ramanathan, Assistant Professor of Molecular and Cellular Biology
 Christov K. Roberson, Preceptor in Molecular and Cellular Biology
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology
 Alexander F. Schier, Professor of Molecular and Cellular Biology
 David Edward Sloane, Instructor in Medicine (*Medical School*)
 Haim I. Sompolinsky, Visiting Professor of Molecular and Cellular Biology (*Hebrew University*)
 Bodo M. Stern, Lecturer on Molecular and Cellular Biology
 Jack L. Strominger, Higgins Professor of Biochemistry
 A. Thomas Torello, Lecturer on Molecular and Cellular Biology
 Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology
 Cheryl Denise Vaughan, Lecturer on Molecular and Cellular Biology (*fall term only*)
 Alain Viel, Senior Lecturer on Molecular and Cellular Biology
 Tamily A. Weissman, Lecturer on Molecular and Cellular Biology
 Mary Ellen Wiltrout, Preceptor in Molecular and Cellular Biology

Other Faculty Offering Instruction in Molecular and Cellular Biology

Charles A. Czeisler, Frank Baldino, Jr., Ph.D. Professor of Sleep Medicine (*Medical School*)
 Kevin C. Eggan, Associate Professor of Stem Cell & Regenerative Biology
 Cassandra G. Extavour, Assistant Professor of Organismic and Evolutionary Biology
 David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Michael E. Greenberg, Nathan Marsh Pusey Professor of Neurobiology (*Medical School*)
 Elena M. Kramer, Professor of Organismic and Evolutionary Biology
 Douglas A. Melton, Harvard College Professor, Thomas Dudley Cabot Professor of the Natural Sciences
 Thomas Michel, Daniel D. Federman, M.D. Professor of Medicine and Medical Education (*Medical School*)
 Shiv S. Pillai, Associate Professor of Medicine (*Medical School*)
 Julian L. Seifter, Associate Professor of Medicine (*Medical School*)
 Gregory L. Verdine, Erving Professor of Chemistry in the Department of Stem Cell & Regenerative Biology
 David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics

Courses offered by the MCB Department are appropriate for students interested in a variety of



Life Sciences Concentrations, including Molecular and Cellular Biology, Chemical and Physical Biology, Neurobiology, and Organismic and Evolutionary Biology. For more information about Molecular and Cellular Biology Courses and the Life Sciences Concentrations, visit www.lifescience.fas.harvard.edu.

Primarily for Undergraduates

MCB 52. Molecular Biology

Catalog Number: 1938

Richard M. Losick, Briana Burton, and A. Thomas Torello

Half course (fall term). M., W., F., at 10, and one laboratory/discussion session weekly. EXAM GROUP: 3

An integrated and quantitative introduction to the basic principles of molecular biology, with an emphasis on experimental methods and problem solving. The course begins with the biochemistry and structure of DNA, continues with the Central Dogma of molecular biology including DNA replication and repair, transcription and RNA processing, and translation. Concludes with an overview of gene regulation and systems biology.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core area requirement for Science B.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, Life Sciences 1b, or by permission of the instructor.

MCB 54. Cell Biology

Catalog Number: 0801

Robert A. Lue and Alexander F. Schier

Half course (spring term). M., W., F., at 10, and one laboratory/discussion session weekly. EXAM GROUP: 3

An integrated introduction to the structure, function, and interactions of cells. Topics covered include: membrane structure and transport, receptors and channels, protein targeting, cytoskeleton, cell cycle, signal transduction, cell migration, cell growth and death, cell adhesion, cell polarity, embryogenesis, organogenesis, and stem cells.

Note: Laboratory and discussion sessions focus on problem solving and evaluation of data. A series of linked laboratory exercises provides exposure to several techniques commonly used in cell biology and developmental biology. This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core area requirement for Science B.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b recommended.

[MCB 55. Logic and Mechanism of Metabolic Pathways] - (New Course)

Catalog Number: 13144

Nicole J. Francis and Vladimir Denic

Half course (spring term). Hours to be arranged.

This course introduces the major metabolic pathways with an emphasis on how enzymes are organized into multi-component molecular machines that drive the flow of molecules through pathways, and on the regulation of these pathways. The focus will be on the logic of pathways and cycles-the "rules of the game"-rather than an exhaustive catalog of metabolism. Both



historical and modern studies will be covered, including insights from metabolomics and other global methodologies.

Note: Expected to be given in 2010–11.

MCB 56. Physical Properties of Macromolecules

Catalog Number: 5424

Rachelle Gaudet

Half course (spring term). M., W., F., at 9, and a weekly section to be arranged. EXAM GROUP: 2

The course aims to develop fundamental concepts of physical chemistry as they apply to macromolecules, including protein and nucleic acid structure, thermodynamics and kinetics, ligand interactions and chemical equilibria. The course will also emphasize how these concepts are used in studies of the structure and function of biological molecules.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; MCB 52; Chemistry 17/27 or Chemistry 20/30 (Chemistry 27 may be concurrent); Math 1b. Physics at the level of PS 2/3 is recommended but not required.

MCB 80. Neurobiology of Behavior

Catalog Number: 6052

Joshua R. Sanes and Jeff W. Lichtman

Half course (fall term). Tu., Th., 1-2:30, and a 90-minute section to be arranged. EXAM GROUP: 15, 16

An introduction to the ways in which the brain controls mental activities. The course covers the cells and signals that process and transmit information, and the ways in which neurons form circuits that change with experience. Topics include the neurobiology of perception, learning, memory, language, emotion, and mental illness.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core area requirement for Science B. The course is open to students with little formal training in biology.

Cross-listed Courses

Life and Physical Sciences A. Foundational Chemistry and Biology

[Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature]

***Visual and Environmental Studies 54s. Animating Science - (New Course)**

Molecular and Cellular Biology Supervised Reading and Research Courses

***MCB 91r. Introduction to Research**

Catalog Number: 0282

A. Thomas Torello and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Molecular and Cellular Biology Concentration under the direction of, or approved by, members of the Board of Tutors. A final paper must be submitted to the laboratory sponsor and to the MCB Student Affairs Office for review by the



instructor and members of the Board of Tutors.

Note: Limited to Molecular and Cellular Biology concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the MCB Student Affairs Office prior to enrolling in the course. This introductory research course is intended to prepare students for MCB 99 and may ordinarily be repeated no more than once. Ordinarily may not be taken as a fifth course.

***MCB 99. Laboratory Research for Honors Thesis**

Catalog Number: 2987

A. Thomas Torello and members of the Department

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Molecular and Cellular Biology. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the instructor. Students may enter the course at midyear only with the permission of the instructor. The thesis proposal must be approved by the instructor and Head Tutor prior to enrolling in MCB 99.

Note: Ordinarily may not be taken as a fifth course.

For Undergraduates and Graduates

MCB 105. Systems Neuroscience

Catalog Number: 0998

Florian Engert

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The neuronal basis of sensory processing and animal behavior will be explored in many different model systems as diverse as honeybees, weakly electric fish, and humans. Special emphasis is placed on the role of activity dependent modulation of neuronal connections in the context of learning, memory, and development of the nervous system.

Prerequisite: MCB 80.

MCB 110. Introduction to Quantitative Tools for Cell Biology - (New Course)

Catalog Number: 58465

Philippe Cluzel

Half course (spring term). M., W., 1:30–3. EXAM GROUP: 6, 7

This class will introduce students to the physical and mathematical tools that have become essential to analyze and understand data in cell biology. We will review concepts initially developed in physics in order to discuss real examples borrowed from classic experiments in biology. Topics to be covered: Noise, stochastic processes, single molecules, single-cell biology, robustness and evolvability of intracellular networks, modularity in biology, chaos, cell-to-cell variability, cell fate variability, cell-to-cell communication.

Prerequisite: Knowledge of elementary statistical mechanics is helpful, but not necessary.

MCB 111. Mathematics in Biology

Catalog Number: 6444

Sharad Ramanathan

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4



Develops the mathematics needed for quantitative understanding of biological phenomena including data analysis, simple models, and framing quantitative questions. Topics include probability, transforms and linear algebra, and dynamical systems, each motivated by current biological research.

Note: Intended for biology students who do not have strong quantitative backgrounds.

Prerequisite: Mathematics 19 or higher.

MCB 115. Cellular Basis of Neuronal Function

Catalog Number: 8703

Venkatesh N. Murthy

Half course (fall term). W., F., 2–3:30. EXAM GROUP: 7, 8

Cellular processes involved in the function of neurons will be explored, with emphasis on biophysical and cell biological approaches. Topics include excitable membranes, intracellular membrane trafficking, cytoskeletal dynamics, synaptic transmission, dendritic integration, and synaptic plasticity.

***MCB 118. From Egg to Embryo to Organ**

Catalog Number: 0749

Andrew P. McMahon

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

We will explore the molecular and cellular developmental mechanisms that regulate the progressive elaboration of a functional adult body plan through the study of vertebrate and invertebrate experimental model systems.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a (or equivalent); Life Sciences 1b or MCB 54 recommended.

***MCB 122. The Biology of Cell Division and Cancer**

Catalog Number: 4353

Raymond L. Erikson

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The molecular and cellular interfaces between normal cells and cancer cells will be covered in lectures and readings from the original literature. Topics will include conversion of extracellular signals to intracellular signals, protein kinase networks, mitosis, cell death, oncogenes, and suppressor genes.

Prerequisite: Recommended: MCB 52 and MCB 54.

***MCB 129. Molecular Genetics of Neural Development and Behavior**

Catalog Number: 8956 Enrollment: Limited to 20.

Samuel M. Kunes

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

A lecture and discussion course on the development of the nervous system and the relationship between genes and behavior. Topics include neural differentiation and cell identity, cell birth and death, axon guidance and synaptic specificity, behavioral genetics. Emphasis on critical evaluation of readings from the primary literature, experimental design and scientific writing.

Prerequisite: Permission of the instructor.



MCB 131. Computational Neuroscience

Catalog Number: 9868

Haim I. Sompolsky (Hebrew University)

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Follows trends in modern brain theory, focusing on local neuronal circuits as basic computational modules. Explores the relation between network architecture, dynamics, and function. Introduces tools from information theory, statistical inference, and the learning theory for the study of experience-dependent neural codes. Specific topics: computational principles of early sensory systems; adaptation and gain control in vision, dynamics of recurrent networks; feature selectivity in cortical circuits; memory; learning and synaptic plasticity; noise and chaos in neuronal systems.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Basic knowledge of multivariate calculus, differential equations, linear algebra, and elementary probability theory.

[MCB 141. Molecular and Developmental Neurobiology]

Catalog Number: 5205

Catherine Dulac

Half course (spring term). Hours to be arranged.

Molecular basis of sensory perception and formation of related neuronal networks during vertebrate development. Topics will include mechanisms of sensory discrimination at the level of receptor molecules and receptor cells, coding of sensory information by the brain, and establishment of appropriate connections in the developing brain. Molecular and genetic approaches to memory and behavior will be discussed.

Note: Expected to be given in 2010–11.

Prerequisite: MCB 52 and MCB 80.

***MCB 142. Major Advances in Classical and Molecular Genetics**

Catalog Number: 7948 Enrollment: Limited to 20.

Matthew Meselson

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

MCB 142 aims to develop an understanding of the conceptual development of classical and molecular genetics, starting with Mendel and Darwin. Course work includes critical reading of selected papers on the chromosomal and molecular basis of heredity, student presentations, group discussion, and submission of written answers to problem sets. Participation in class discussion of readings is essential. A substantial essay on a mutually agreed topic is due at end of reading period.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Sciences 1b or equivalent and permission of the instructor.

***MCB 145 (formerly *Neurobiology 95hfb). Neurobiology of Perception and Decision Making**

Catalog Number: 6972

Naoshige Uchida

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

One of the current goals of neuroscience is to understand neuronal circuits underlying perception



and behavior. Recent advances in neuroscience have allowed us to glimpse neuronal processes that link perception and decision making. How is sensory information processed in the brain? How does an animal choose its action? How does an animal learn from ever-changing environments and adjust their behavior? The course will examine neurophysiological studies in perception and decision-making.

Prerequisite: MCB 80 and permission of the instructor.

***MCB 146 (formerly *Neurobiology 95c). Experience-Based Brain Development: Causes and Consequences**

Catalog Number: 5390

Takao K. Hensch

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

At no time in life does the surrounding environment so potently shape brain function as in infancy and early childhood. This course integrates molecular/cellular biology with systems neuroscience to explore biological mechanisms underlying critical periods in brain development. Understanding how neuronal circuits are sculpted by experience will motivate further consideration of the social impact on therapy, education, policy, and ethics.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

MCB 147. Brain Circuits - (New Course)

Catalog Number: 73572

Markus Meister

Half course (spring term). M., W., 1:30–3. EXAM GROUP: 6, 7

What functions arise when many thousands of neurons combine in a densely connected circuit? Though the operations of neural circuits lie at the very heart of brain science, our textbooks have little to say on the topic. This course explores what is known, and how we will learn more. The emphasis is on experimental science, but theory and computation play important roles in interpreting data and formalizing predictions.

Prerequisite: MCB 80 or equivalent; some recent math experience.

MCB 150. Developmental Genetics and Genomics

Catalog Number: 5703

Kevin C. Eggan

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

The process by which genes, and traits they encode, are transmitted from one cell to another and one generation to the next will be explored. A conceptual foundation for genetic analysis will be established through studies of model organisms including yeast, *C. elegans*, *Drosophila* and mouse. Classical approaches and modern transgenic techniques will be explained and ultimately applied towards the understanding of human genetics. Primarily lecture based with some discussion of primary scientific literature.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a (or equivalent), Life Sciences 1b (or equivalent), and MCB 52.

MCB 151. From the Gene to the Phenotype

Catalog Number: 5799



William M. Gelbart

Half course (spring term). Hours to be arranged.

This course will explore how the information encoded in our genomes leads to both the shared phenotypic characteristics of a species as well as individual variation. Both the classical literature and the current state of the art will be discussed.

Prerequisite: Life Sciences 1b, or permission of the instructor.

[MCB 152. Genetic Analysis]

Catalog Number: 6788

Craig P. Hunter

Half course (fall term). Hours to be arranged.

An advanced course focusing on genetic analysis of fundamental cellular and developmental processes in model organisms. An emphasis is placed on reading and understanding the primary literature through introductory lectures, class discussions, and short written assignments. Students will learn how to design and interpret genetic experiments in a variety of model organisms.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 1b, MCB 52, and MCB 54.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Nicole J. Francis and Vladimir Denic

Half course (spring term). Tu., Th., 4–6. EXAM GROUP: 18

An advanced course on the control of gene regulation. Topics include: mechanisms of gene regulation at the level of transcription, chromatin structure, DNA methylation, RNA processing, mRNA localization, and protein synthesis and degradation. The course is taught through weekly lectures and readings from the current literature. Topics covered in lectures and the reading assignments are discussed in sections. Students are required to critically evaluate and discuss recent papers in sections. Two exams.

Prerequisite: MCB 52 and MCB 54 (or equivalent), and permission of instructor.

MCB 156. Structural Biology of the Flow of Information in the Cell

Catalog Number: 8543

David Jeruzalmi

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A journey that follows the path taken by an extra-cellular signal as it reaches a cell, traverses the plasma membrane, navigates the cytoplasm, and finally manifests its effect upon the genome. Through the reading and discussion of primary research literature, the course highlights how structural biology has helped develop a detailed picture of each step in the pathway. The interplay between cellular and network biology and structural biology is also emphasized.

Prerequisite: Introductory molecular and cellular biology (MCB 52 and MCB 54 or equivalent).

MCB 169. Molecular and Cellular Immunology

Catalog Number: 2518

Shiv S. Pillai (Medical School)

Half course (fall term). Tu., Th., 10-11:30, and a 90-minute section to be arranged. EXAM

**GROUP: 12, 13**

The immune system is frontier at which molecular biology, cell biology, and genetics intersect with the pathogenesis of disease. The course examines in depth the cellular and molecular mechanisms involved in the development and function of the immune system and also analyzes the immunological basis of human disease including AIDS and other infectious diseases, autoimmune disorders, allergic disorders, primary immunodeficiency syndromes, transplantation, and cancer.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a or equivalent. Genetics and cell biology strongly recommended.

[*MCB 173. Optical Imaging in the Biological Sciences]

Catalog Number: 3836

Jeff W. Lichtman

Half course (fall term). Hours to be arranged.

The optical microscope has undergone a radical transformation. Recent innovations in lasers, chemistry, molecular biology, detectors, computation and optics have propelled the microscope to the cutting edge of modern biology. These complex machines are now the tools of choice for revealing structure and function in biology. This course explores the principles and practice of the “new microscopy”. Topics include the nature of light, fluorescence, image restoration, confocal, 2-photon, structured illumination and other new techniques.

Note: Expected to be given in 2010–11.

Prerequisite: Permission of the instructor; MCB 80 recommended.

MCB 176. Biochemistry of Membranes

Catalog Number: 3186

Guido Guidotti

Half course (fall term). M., W., 2–4. EXAM GROUP: 7, 8

A course on the properties of biological membranes, essential elements for cell individuality, communication between cells, and energy transduction. Topics include: membrane structure; membrane protein synthesis, insertion in the bilayer and targeting; transporters, pumps and channels; electron transport, H⁺ gradients and ATP synthesis; membrane receptors, G proteins and signal transduction; membrane fusion.

Prerequisite: MCB 52 and MCB 54 are recommended but not required.

MCB 185. Molecular Pathophysiology and Pharmacology of Human Disease

Catalog Number: 1124

Vicki L. Sato and Gregory L. Verdine

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17, 18

This course will address both the molecular basis of human disease and the biological and chemical foundation of therapeutic intervention. The course will include lectures by prominent experts and analysis of the primary literature.

Note: May not be taken concurrently with Chemistry 185. May not be taken for credit if Chemistry 185 or Chemistry 285 have already been taken.

Prerequisite: Chemistry 20/30 or 17/27, MCB 52, or their equivalents.

**MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation**

Catalog Number: 2854

*J. Woodland Hastings and Charles A. Czeisler (Medical School)**Half course (fall term). W., 2-5, and a weekly section to be arranged. EXAM GROUP: 7, 8, 9*

Properties, mechanisms, and functional roles of circadian (daily) rhythms in organisms ranging from unicells to mammals. Cellular and molecular components, regulation of gene expression and physiological functions, genetic and biochemical analyses of circadian rhythms, and neurobiology of the mammalian circadian pacemaker. Mathematics and modeling of oscillatory systems and applications to circadian rhythms. Experimental studies of human rhythms, including the sleep-wake cycle and hormone rhythms, with applications to sleep disorders.

Prerequisite: Life Sciences 1b or equivalent, MCB 80 desirable.

MCB 188. Chromosomes

Catalog Number: 8561

*Nancy Kleckner**Half course (spring term). Tu., Th., 2-4. EXAM GROUP: 16, 17*

Chromosome morphogenesis in prokaryotic and eukaryotic organisms. Topics will include chromosome structure, interactions between chromosomes (sisters and homologs), DNA recombination and repair, topoisomerases, transposable elements and site-specific recombination, epigenetic inheritance. Genetic, cytological, and biochemical approaches will be integrated. Lecture, reading, and discussion of classical and current literature and consideration of future experimental directions.

Prerequisite: Life Sciences 1b or equivalent, MCB 52, and MCB 54.

[MCB 192. Principles of Drug Discovery and Development]

Catalog Number: 2188 Enrollment: Limited to 40.

*Vicki L. Sato and Gregory L. Verdine**Half course (spring term). Hours to be arranged.*

This interdisciplinary course will examine the process of drug discovery and development through disease-driven examples. Topics include: the efficacy/toxicity balance, the differences between drugs and inhibitors, the translation of cellular biochemistry to useful medicine.

Note: Expected to be given in 2010-11. May not be taken concurrently with Chemistry 192. May not be taken for credit if Chemistry 192 has already been taken.

Prerequisite: MCB 52 and one year of organic chemistry. MCB 54 is recommended.

[MCB 195. Foundations of Systems Biology and Biological Engineering]

Catalog Number: 9112

*Instructor to be determined**Half course (spring term). Tu., Th., 10-11:30.*

This course builds an understanding of design principles in biology. We will ask why biological circuits are built the way they are and answer using mathematical models. Topics: elementary circuits in biological networks, robustness, pattern-formation in embryos, error-correction, and evolutionary optimization.

Note: Expected to be given in 2010-11. Students from physics, engineering and other disciplines are also welcome.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, Life Sciences 1b and



Mathematics 1a/1b and molecular cell biology at the level of MCB 52 and MCB 54. Familiarity with mathematics at the level of 19/20 is strongly recommended.

MCB 199. Statistical Thermodynamics and Quantitative Biology

Catalog Number: 9072

Howard C. Berg

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Physical biology of the cell. Life at rest and in motion. Transformation of matter and energy. Elements of probability and statistics. The Boltzmann distribution. The random walk and diffusion. Applications in biomechanics and sensory physiology.

Prerequisite: Two terms of college calculus, a calculus-based physics course, and some exposure to molecular and cellular biology. Experience with statistics and differential equations not essential, but helpful.

Cross-listed Courses

Biophysics 101 (Genomics and Computational Biology). Computational Biology

Chemistry 163. Frontiers in Biophysics

Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Evolutionary Anatomy

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

***Life Sciences 100r (formerly *MCB 100r). Experimental Research in the Life Sciences**

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

Physics 141. The Physics of Sensory Systems in Biology

SCRB 125 (formerly MCB 125). Cloning, Regeneration, and Reprogramming

SCRB 165. Directed Differentiation of Stem Cells

SCRB 167. What does Human Disease Teach Us About Mammalian Biology?

SCRB 190. Understanding Aging: Degeneration, Regeneration, and the Scientific Search for the Fountain of Youth

Primarily for Graduates

MCB 206. Introduction to Connectomics

Catalog Number: 2303

Jeff W. Lichtman, R. Clay Reid (Medical School) and members of the Department

Half course (fall term). Tu., 3:30–6:30. EXAM GROUP: 17, 18

Focuses on how the tools of connectomics (nanoscale imaging, nanoscale and microscale cutting, fluorescent and electron-dense staining, image analysis algorithms) generate data about neural connectivity. Case studies: *C. elegans*, neuromuscular junction, retina, cortex.

[*MCB 208. Talking about Science]

Catalog Number: 3605 Enrollment: Limited to 30.

Jeff W. Lichtman and Michael E. Greenberg (Medical School)

Half course (spring term). Tu., 7–8:30 p.m.

Teaches advanced students how to give a good research talk while exposing them to seminal



scientific discoveries. Emphasis will be on speaking style, lecture organization, and use of video projection tools.

Note: Expected to be given in 2010–11. In addition to lecture material from the instructor, students will present experiments from Nobel Prize-winning work. The presentations will be critiqued in class by the participants. Open to second year graduate students or by permission of the instructor.

[MCB 212. Topics in Biophysics]

Catalog Number: 3351

Howard C. Berg

Half course (spring term). Hours to be arranged.

Motility and sensory transduction; chemotaxis in bacteria; flagellar motility; prokaryotic and eukaryotic motor molecules.

Note: Expected to be given in 2010–11. Given in alternate years. A term paper and seminar are required.

MCB 225. Interesting Questions in Physical Biology

Catalog Number: 7646

Nancy Kleckner and David A. Weitz

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Physical biology can be defined as a discipline that seeks to understand biological processes through the lens of physics and engineering. Faculty and students will unite to review current research with the aim of identifying and pondering interesting emerging questions in this area.

Note: Intended primarily for first year graduate students in the EPB PhD track but available to other graduate students and advanced undergraduates as space permits.

MCB 234. Cellular Metabolism and Human Disease

Catalog Number: 0870

Thomas Michel (Medical School), Robert A. Lue and members of the Department

Half course (spring term). M., W., F., 9–10:30. EXAM GROUP: 2, 3

Cellular and organismal metabolism, with focus on interrelationships between key metabolic pathways and human disease states. Genetic and acquired metabolic diseases and functional consequences for specific organ systems. Lectures and conferences are integrated with clinical encounters with patients.

Note: Students may attend lectures in either Cambridge or Boston since they will be transmitted live from HMS to Harvard College and vice-versa; the inter-campus link will allow real-time interactions between students and faculty at each site. May not be taken concurrently with BCMP 234. May not be taken for credit if BCMP 234 has already been taken.

Prerequisite: Knowledge of introductory biochemistry, genetics, and cell biology required (MCB 52 and MCB 54 or equivalent); one year of organic chemistry.

MCB 235. Principles of Human Disease: Physiology and Pharmacology

Catalog Number: 9139

David E. Golan (Medical School), Julian L. Seifter (Medical School), David E. Sloane (Medical School), and Alain Viel

Half course (fall term). M., W., F., 9–10:30. EXAM GROUP: 2, 3



Principles of human physiology, pathophysiology and drug action—including mechanisms of organ function in health and disease and strategies for designing drug-based therapeutic interventions—discussed in lectures, critical readings, clinical case scenarios, and patient presentations.

Note: May not be taken concurrently with BCMP 235. May not be taken for credit if BCMP 235 has already been taken.

Prerequisite: Knowledge of introductory biochemistry, molecular biology, and cell biology required (MCB52 and MCB54 or equivalent); one year of organic chemistry.

MCB 254. Advanced Cell Biology

Catalog Number: 1622

Matthew Michael

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

This course covers advanced topics in modern cell biology. It is intended for graduate students and advanced undergraduates. The course is organized around important unanswered questions in cell biology. Examples include: what is the fate of the Golgi at mitosis; how do cells and tissues know how big they are? Each week a different question will be addressed through a combination of discussion of primary research papers and lectures.

MCB 268. Molecular Immunology: Seminar

Catalog Number: 2196 Enrollment: Limited to 16.

Jack L. Strominger

Half course (spring term). M., Th., 4–6. EXAM GROUP: 9, 18

One session each week is a lecture on the topics. At the second session four papers are read from the current literature, each presented by a student in 20-30 minutes. Course work: reading of papers, seminar presentations, and class participation.

Prerequisite: MCB 169 or permission of instructor required for undergraduates only.

MCB 291. Genetics, Genomics and Evolutionary Biology

Catalog Number: 2833

Cassandra G. Extavour and Elena M. Kramer

Half course (fall term). M., 9-10:30, W., 1-2:30. EXAM GROUP: 2, 3, 6, 7

This course covers the fundamentals of classical genetics, molecular genetics, macro- and microevolution, phylogenetics, and developmental evolution. The emphasis is on major concepts and terminology, reading landmark primary literature, and acquainting students with research techniques.

Note: Intended for graduate students in the Molecules, Cells and Organisms (MCO) Training Program.

***MCB 292. Cellular Biology, Neurobiology and Developmental Biology**

Catalog Number: 4288 Enrollment: Limited to 20.

Craig P. Hunter and John E. Dowling

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The biology of the individual cell lies at the heart of multi-cellular phenomena such as development and neural function. This course will emphasize critical evaluation of the primary literature, experimental design and scientific writing.



Note: Intended for graduate students in the Molecules, Cells and Organisms (MCO) Training Program.

MCB 293. Physical, Chemical and Molecular Biology

Catalog Number: 2706

Andres Leschziner and Victoria M. D'Souza

Half course (fall term). Hours to be arranged.

This course will introduce basic principles in general, organic and physical chemistry, including kinetics and thermodynamics, as well as macromolecular structure. Concepts will be illustrated with examples taken from the visual system.

Note: Intended for graduate students in the Molecules, Cells and Organisms (MCO) Training Program.

Cross-listed Courses

Applied Physics 291. Electron Microscopy Laboratory

BCMP 235. Principles of Human Disease: Physiology and Pharmacology

Chemistry 201. Organic Synthesis and Genomic Medicine

***Chemistry 270. Chemical Biology**

Engineering Sciences 224. Laboratory in Engineering and Physical Biology

Microbiology 213. Social Issues in Biology

***OEB 290 (formerly *Life Sciences 190r). Microbial Sciences: Chemistry, Ecology and Evolution**

Systems Biology 200. A Systems Approach to Biology

Graduate Courses of Reading and Research

***MCB 300. Introduction to Research**

Catalog Number: 4816

Markus Meister, Catherine Dulac, and members of the Department

***MCB 301. Synapse Formation**

Catalog Number: 3935

Joshua R. Sanes 5094

***MCB 303. Mechanisms of Epigenetic Inheritance by Polycomb Group Proteins**

Catalog Number: 3144

Nicole J. Francis 5227

***MCB 304. Experimental Biological Physics and Quantitative Cell Biology**

Catalog Number: 5730

Daniel Joseph Needleman 6151

***MCB 305. Signaling Processing and Systems Biology**

Catalog Number: 1443

Sharad Ramanathan 6015



***MCB 306. Biophysics and Physiology of Neurons**

Catalog Number: 1695
Venkatesh N. Murthy 2424

***MCB 307. Developmental Genetics and Neurobiology**

Catalog Number: 8554
Alexander F. Schier 5238

***MCB 308. Quantitative Analysis of Regulatory Networks**

Catalog Number: 2226
Erin K. O'Shea 5239 (on leave 2009-10)

***MCB 311. Biochemistry of Epigenetics**

Catalog Number: 6131
Nicole J. Francis 5227

***MCB 312. Military and Arms Control Applications of Biology and Chemistry**

Catalog Number: 2063
Matthew Meselson 1319

***MCB 315. Structural Biology of Signaling and Transport Through Biological Membranes**

Catalog Number: 9560
Rachelle Gaudet 4413

***MCB 316. Structural Biology of Retroviral Replication**

Catalog Number: 8769
Victoria M. D'Souza 5584

***MCB 317. Structure and Function of the Biological Assemblies Involved in DNA Replication**

Catalog Number: 6396
David Jeruzalmi 4528

***MCB 322. Genetics and Development**

Catalog Number: 7290
Craig P. Hunter 2803

***MCB 326. Biochemical Virology**

Catalog Number: 0243
Raymond L. Erikson 7506

***MCB 327. DNA Damage Induced Signal Transduction**

Catalog Number: 8684
Matthew Michael 3825



***MCB 328. Neuronal Circuit Development**

Catalog Number: 5728

Takao K. Hensch 5813

***MCB 329. Structural Biology of ATP-Dependent Chromatin Remodeling**

Catalog Number: 6060

Andres Leschziner 5928

***MCB 330. Mechanisms of DNA Transport Across Membranes**

Catalog Number: 7228

Briana Burton 6214

***MCB 331. Single-Cell Analysis of Transcriptional and Signaling Networks in Bacteria**

Catalog Number: 4064

Philippe Cluzel 6215

***MCB 332. Mechanisms of Membrane-Based Cell Biological Processes**

Catalog Number: 9806

Vladimir Denic 6216

***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801

***MCB 359. Chromosomes**

Catalog Number: 6278

Nancy Kleckner 4697

***MCB 363. Invertebrate Development and Transcriptional Circuitry - (New Course)**

Catalog Number: 15771

Susan Mango 6386

***MCB 364. Vertebrate Development**

Catalog Number: 1396

Andrew P. McMahon 3312

***MCB 365. Neurobiology**

Catalog Number: 8349

John E. Dowling 3545

***MCB 366. Synaptic Plasticity and Neuronal Networks**

Catalog Number: 1085

Florian Engert 4290



***MCB 367. Structural Studies of Synapses**

Catalog Number: 1850

Jeff W. Lichtman 5163

***MCB 368. Neural Circuits for Sensation and Behavior - (New Course)**

Catalog Number: 30878

Naoshige Uchida 5745

***MCB 373. Cellular Biochemistry and Physiology**

Catalog Number: 8053

J. Woodland Hastings 1311

***MCB 374. Developmental Neurobiology**

Catalog Number: 6167

Samuel M. Kunes 3486

***MCB 377. Genetics and Development**

Catalog Number: 5598

William M. Gelbart 4774

***MCB 378. Motile Behavior of Bacteria**

Catalog Number: 5729

Howard C. Berg 1377

***MCB 381. Microbial Development**

Catalog Number: 4994

Richard M. Losick 3561

***MCB 382. Molecular Immunology**

Catalog Number: 5515

Jack L. Strominger 1193

***MCB 386. Molecular Evolution**

Catalog Number: 0763

Matthew Meselson 1319

***MCB 390. Function of Neuronal Circuits**

Catalog Number: 8883

Markus Meister 3007

***MCB 391. Biochemistry**

Catalog Number: 4888

Guido Guidotti 1203



***MCB 395. Mechanisms of Gene Regulation**

Catalog Number: 7697

Thomas Maniatis 7231

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706

Andrew W. Murray 3765 (on leave 2009-10)

***Microbiology 312. Acquired and Innate Immunity to Pneumococci - (New Course)**

Catalog Number: 78191

Richard Malley 6461

Music

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Music

Anne C. Shreffler, James Edward Ditson Professor of Music (*Chair*)

William Kirk Bares, College Fellow in the Department of Music

Richard Beaudoin, Lecturer on Music

Suzannah Clark, Gardner Cowles Associate Professor of Music

Federico Cortese, Senior Lecturer on Music

Chaya Czernowin, Walter Bigelow Rosen Professor of Music

Sean Gallagher, Associate Professor of Music

Christopher Hasty, Walter W. Naumburg Professor of Music (*Head Tutor*)

Thomas Forrest Kelly, Morton B. Knafel Professor of Music

Robert D. Levin, Dwight P. Robinson, Jr. Professor of Music

Jameson N. Marvin, Senior Lecturer on Music

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*on leave 2009-10*)

Simon A. Morrison, Visiting Professor of Music (*spring term only*)

Carol J. Oja, William Powell Mason Professor of Music

Olaf Leon Post, Preceptor in Music

Alexander Rehding, Fanny Peabody Professor of Music (*on leave 2009-10*)

Sindhumathi Revuluri, Assistant Professor of Music (*on leave 2009-10*)

Matthias Roeder, College Fellow in the Department of Music

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies (*Director of Graduate Studies*)

Rand Steiger, Visiting Professor of Music (*fall term only*)



Daniel Stepner, Preceptor in Music
Hans Tutschku, Fanny P. Mason Professor of Music (*on leave spring term*)
Nicholas Paul Vines, Lecturer on Music
Richard K. Wolf, Professor of Music
Christoph Wolff, Adams University Professor
Robert Zuidam, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders

Other Faculty Offering Instruction in Music

Daniel Albright, Ernest Bernbaum Professor of Literature

Undergraduates considering a concentration in Music should meet with the Head Tutor to discuss the program. Prospective concentrators in Music are encouraged to take Music 51 in their freshman year; Music 51 is a prerequisite of Music A. Music A is required of concentrators, and should be taken as early as possible. Students who know they are going to concentrate in Music and do not have piano background should consult with the instructor of Music A immediately upon arrival at Harvard. In order to obtain concentration credit for a course for which such credit is not normally given, students must petition the Department at the beginning of the term. For students not intending to concentrate in Music, the department ordinarily offers Music 1 and Music 2 every year. Other courses may be taken with permission of the instructor. See also listings in African and African American Studies, Core Curriculum, Folklore and Mythology, General Education, and Medieval Studies.

Primarily for Undergraduates

***Music Ar. Musicianship**

Catalog Number: 4859 Enrollment: Limited to concentrators

William Kirk Bares

Half course (fall term; repeated spring term). Hours to be arranged.

Consists of two parts: (1) Basic piano skills (sight-reading, score reading, figured bass realization, harmonization, and improvisation), in individual or small-group instruction; and (2) Earlab (sight singing, rhythmic studies, melodic/harmonic dictation, and other exercises). Two class meetings per week. In addition, individual instruction in piano playing is given to those not proficient at the keyboard.

Note: Earlab is open to students concurrently taking another course in the Music Concentration Program. Music concentrators are required to enroll in two terms of Music A, starting in the fall term. A special examination is required of Music concentrators to meet the Musicianship requirement. While credit is awarded for suitable progress in the course, concentrators may find it necessary to repeat (audit) all or portions of Music A in order to prepare for this exam (see Concentrator's Handbook)

Prerequisite: Music 51.

Music 1a. Introduction to Western Music from the Middle Ages to Mozart

Catalog Number: 8071

Sean Gallagher



Half course (fall term). M., W., (F.), at 2. EXAM GROUP: 7

Examines a broad range of musical works spanning roughly a thousand years (c.800-1800). Emphasis is on changes in compositional and aesthetic priorities, as well as the historical/social contexts of particular works.

Note: Music 1a can be taken independently of Music 1b. No prior knowledge of music is presumed. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Music 1b. Introduction to Western Music from Beethoven to the Present

Catalog Number: 4952

Sean Gallagher

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Music 1b continues the survey started in Music 1a, beginning with the transition from the Classical to the Romantic period. Explores the history of music in its stylistic and cultural contexts, including aspects of form, composition, social significance, and politics. Composers studied include Beethoven, Schubert, Robert and Clara Schumann, Liszt, Berlioz, Brahms, Wagner, Verdi, Mahler, Schoenberg, Berg, Stravinsky, Debussy and later 20th c. figures.

Note: Music 1b can be taken independently of Music 1a. No prior knowledge of music presumed. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Music 2. Foundations of Tonal Music I

Catalog Number: 0645 Enrollment: Limited to 60.

Richard Beaudoin

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Seeks to develop a greater understanding of musical language, the conceptual foundations of musical literature, and of how critical listening and analysis can be performed. We will make use of traditional prose analysis in the form of written essays as well as musically specific writing and analytical techniques. While reading knowledge of simple musical notation is helpful, there will be at least one section for students with no previous experience.

Note: Open to all students. May not be counted for concentration. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B.

[Music 3. Foundations of Tonal Music II]

Catalog Number: 5805 Enrollment: Limited to 48.

Instructor to be determined

Half course (spring term). M., W., F., at 11.

The first part of the course concentrates on increasing understanding and fluency in writing within the musical language of “common practice tonality.” The second part of the course looks at 20th-century techniques for composing music. The final project is a short composition that will be performed during reading period. Teaching takes place in groups of 10-12, divided



according to background, with full group lectures every week.

Note: Expected to be given in 2010–11. May not be counted for concentration credit.

Prerequisite: Music 2 or permission of the instructor.

Music 4. Introduction to Composition

Catalog Number: 2239 Enrollment: Limited to 16.

Richard Beaudoin

Half course (fall term). Tu., 4-6, Th., 4. EXAM GROUP: 18

Open to students with little or no prior experience in composition. Explores ways of thinking about and organizing basic compositional elements such as melody, harmony, rhythm and instrumental color, as well as developing skills of score preparation and analytical listening. The primary focus of the course is a series of short compositional exercises, culminating in a somewhat longer final project. Workshop performances of students' music take place throughout the term.

Note: May not be counted for concentration credit.

Prerequisite: Music 2 or equivalent or permission of the instructor.

[Music 5. Intermediate Composition]

Catalog Number: 9966

Instructor to be determined

Half course (spring term). Tu., 3-5, Th., at 4.

Continues the exploration of basic compositional principles begun in Music 4 with a focus on strategies of large-scale organization in music. Students write pieces during the semester exemplifying a different principle of formal structure (e.g. rondo, through composition, and "moment form").

Note: Expected to be given in 2010–11. May be taken independently of Music 4 with permission of instructor. May not be counted for concentration credit.

***Music 51a. Theory 1**

Catalog Number: 2261

Olaf Leon Post

Half course (fall term). M., 2-4. EXAM GROUP: 7, 8

Musicianship, harmony and counterpoint. Course proceeds via frequent practical exercises (model composition, ear training, analytical exercises and keyboard harmony assignments). First semester concentrates on melodies, bass lines, and simple tonal counterpoint.

Note: Music 51a or its equivalent is required of all concentrators. Students planning to concentrate in Music are encouraged to take the course in their freshman year. Concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Basic theory and ear training skills. Basic keyboard skills are useful.

***Music 51b. Theory 1**

Catalog Number: 9585

Olaf Leon Post

Half course (spring term). M., 2-4. EXAM GROUP: 7, 8

Continuation of the skills practiced in Music 51a. The second semester focuses on four-part writing and more advanced harmony/counterpoint, using a wide range of musical styles.



Note: Music 51b or its equivalent is required of all concentrators. Students planning to concentrate in Music are encouraged to take the course in their freshman year. Concentrators should plan to meet this requirement by no later than the end of the sophomore year.

Prerequisite: Music 51a.

***Music 91r. Supervised Reading and Research**

Catalog Number: 1298

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to students wishing to pursue supervised study in an area not covered by the courses currently offered. Students must submit a study proposal to the faculty member with whom they wish to study and a signed proposal to the Head Tutor. May be counted for concentration *only* with the prior approval of the Department.

***Music 97a (formerly *Music 97r). Music History and Repertory: Medieval to Baroque**

Catalog Number: 0113

Thomas Forrest Kelly

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An intensive survey of Western music from the middle ages to ca. 1750, providing methods of further study of music in historical and cultural contexts as well as knowledge of repertory.

Note: Music 97 is required of all concentrators, preferably taken in the sophomore year, or earlier by permission. Each third of the course culminates in an examination testing students' knowledge of a large listening repertory. These examinations must be passed in order to receive credit for the course.

Prerequisite: Music 51 (may be taken concurrently).

***Music 97b. Music History & Repertory: Classical to Contemporary - (New Course)**

Catalog Number: 71121

Matthias Roeder

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

An intensive survey of western music from the Classical to Contemporary periods. Course culminates in an examination testing students' knowledge of a large listening repertory.

Note: Music 97b is required of all music concentrators, preferably taken in the sophomore year, or earlier by permission.

Prerequisite: Music 51 may be taken concurrently

***Music 97c. Music History and Repertory: Music in Cross-Cultural Perspective - (New Course)**

Catalog Number: 36288

Kay Kaufman Shelemay

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

An intensive introduction to selected world music repertoires, as well as research methods and interpretive issues in the field of ethnomusicology. Explored are the musical, intellectual, and cultural challenges posed by the cross-cultural study of music.

Note: Music 97 is required of all concentrators, preferably taken in the sophomore year, or earlier by permission. Each third of the course culminates in an examination testing students'



knowledge of a large listening repertory. These examinations must be passed in order to receive credit for the course.

Prerequisite: Music 51 (can be taken concurrently)

***Music 98r. Tutorial — Junior Year**

Catalog Number: 5601

Christopher Hasty and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to junior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music.

Note: With permission, may be taken for a second term.

***Music 99r. Tutorial — Senior Year**

Catalog Number: 1765

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to senior candidates for honors in Music who have written permission to enroll from the instructor with whom they wish to work, and also from the Head Tutor in Music. May be counted toward concentration credit only by honors candidates.

For Undergraduates and Graduates

Music 121a. Choral Conducting

Catalog Number: 1550

Jameson N. Marvin

Half course (spring term). M., W., 12:30–2.

Students will conduct the class/choir to gain experience in building and refining their conducting technique. Through repertoire from the 16th - 20th century, students will develop clear, precise and expressive conducting gestures.

Note: May not be counted for concentration credit.

Prerequisite: Choral or ensemble experience; ear training, keyboard, and theory background helpful.

[Music 121b. Advanced Choral Conducting]

Catalog Number: 1675

Jameson N. Marvin

Half course (spring term). M., W., 12:30–2.

Score Analysis and Interpretation: learning to understand the symbolic notation of musical gesture. Development of the mental-aural image of the score: preparing the conductor's ear for rehearsal. Rehearsing: how to hear, how to listen, how to fix. Further development of conducting technique: clarity, precision, and informed expressivity revealing musical gesture.

Note: Expected to be given in 2010–11.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 127r. Conducting & Orchestral Repertory Analysis - (New Course)**

Catalog Number: 68953 Enrollment: Limited to 12. By audition only.



Federico Cortese

Half course (fall term; repeated spring term). Fall: Th., 2–4; Spring: Th., 2–5. EXAM GROUP:

Fall: 16, 17; Spring: 16, 17, 18

Studies in conducting skills related to symphonic and operatic repertoire.

Music 150 (formerly Music 154). Theory II

Catalog Number: 4771

Richard Beaudoin (spring term) and Suzannah Clark (fall term)

Full course. M., 2–4. EXAM GROUP: 7, 8

Continues the work of Music 51. The fall term focuses on the Classical style (Haydn, Mozart, Beethoven). Topics include harmony, phrase structure, simple forms, and sonata-form procedures. The spring term explores chromatic harmony in 19th century instrumental and vocal forms. In both terms concepts are developed through analysis, model composition, keyboard harmony and ear-training exercises.

Note: Required of all concentrators. May not be counted for credit toward an advanced degree.

Students who have taken Music 154 may not enroll in this course.

Prerequisite: Music 51 or equivalent.

Music 153. Jazz Harmony - (New Course)

Catalog Number: 10693

William Kirk Bares

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Intensive survey of jazz harmony, from Tin Pan Alley and blues-based music of Jazz's Golden era to modern modal, symmetric and/or free jazz.

Note: Strongly recommended for those planning to take Music 186r.

[Music 155. Modal Counterpoint]

Catalog Number: 7710

Instructor to be determined

Half course (spring term). Hours to be arranged.

Study of representative styles and genres of 16th-century polyphony. Detailed analytic work will be combined with compositional exercises.

Note: Expected to be given in 2010–11.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint: Seminar

Catalog Number: 3930

Nicholas Paul Vines

Half course (fall term). Tu., Th., 10–11:30.

Written work in the Bach style.

Prerequisite: Music 154 or equivalent.

Music 157x. Tonal Analysis

Catalog Number: 6830

Suzannah Clark

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17



Detailed examination of representative tonal compositions.

Note: Open to graduate students

Prerequisite: Music 154 or permission of instructor.

Music 157y. Analysis of 20th-Century Music

Catalog Number: 4397

Christopher Hasty

Half course (fall term). W., 3–5.

Intensive survey of compositional styles and techniques of the last 100 years. Traditional pitch-centered analysis, including set theory, as well as approaches focusing on rhythm, timbre, gesture, and other elements.

Note: Open to graduate students.

Prerequisite: Music 154 or permission of instructor.

[Music 158r. Interpreting Musical Performance]

Catalog Number: 9813

Christopher Hasty

Half course (fall term). M., 2–4.

Analyzing Performance. Analysis of selected pieces aimed at discovering and evaluating possibilities for execution and perception. Repertory includes fully notated music and music that has no tradition of notation. Questions addressed are those of perception, notation, and adequacy of conventional analytic categories.

Note: Expected to be given in 2010–11. Open to graduate students.

Prerequisite: Music 154 or permission of instructor.

***Music 160r. Composition: Proseminar**

Catalog Number: 8026

Nicholas Paul Vines

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Open to students prepared for individual work in composition. Focus on the string quartet, including contemporary repertoire survey, short exercises, and a final project of modest dimensions. Incorporates readings and final performance of students' work.

Prerequisite: Music 154 or permission of instructor.

***Music 161r. Advanced Composition**

Catalog Number: 6714

Chaya Czernowin

Half course (fall term). M., 2–4.

Advanced course in musical composition. Consists of a mixture of one-on-one and group meetings.

Prerequisite: Music 154 or equivalent.

***Music 167r. Electronic Music Composition**

Catalog Number: 3806 Enrollment: Limited to 10.

Hans Tutschku

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8



Composition/performance involving analog and digital electronic medium. Projects realized using recording gear and computers; study of relevant aspects of acoustic and electronic theory; compositions since 1948 of musique concrete, acousmatic and live-electronic music; synthesis, sampling, digital recording, and live performance techniques.

Prerequisite: One course in theory/composition or permission of instructor.

[Music 178r. Musicianship]

Catalog Number: 2339

Instructor to be determined

Half course (fall term). Th., 3–5.

Contemporary Gamelan Performance and Composition. Students study and perform music for gamelan, a percussion orchestra originating in Java and Bali. On the group of gamelan instruments named Si Betty, students will play works by composers from Indonesia, the U.S. and elsewhere. Coursework includes a final group performance and projects in composition practice.

Note: Expected to be given in 2010–11. No previous experience required. Musicians and composers are welcome.

***Music 180r. Performance and Analysis: Seminar**

Catalog Number: 2294 Enrollment: By audition only, prior to the first meeting.

Robert D. Levin and Daniel Stepner

Half course (fall term; repeated spring term). M., 7-10 pm, and an additional meeting to be arranged. EXAM GROUP: Spring: 9

Representative chamber music of the past and present is prepared for performance in class sessions and private coachings. Intensive class analysis as the basis of musical expression and interpretation.

Note: Open to singers and instrumentalists.

[*Music 182r (Music 182r). 17th- and 18th-Century Performance Practice]

Catalog Number: 1460

Robert D. Levin

Half course (spring term). Tu., 2–4.

Articulation, ornamentation, improvisation, and other stylistic domains are considered from the perspectives of historical evidence and modern performance.

Note: Expected to be given in 2010–11.

Prerequisite: Music 154 or permission of instructor.

Music 183r (formerly Music 183). 19th-Century and 20th-Century Performance Practice

Catalog Number: 0117

Robert D. Levin

Half course (spring term). Tu., 2–4.

Evolution of performance style from the Classical era to the present day. The decline in the creative role of the performer and rapid technological developments are explored. Examination of contemporary treatises and performance styles. A dialogue between scholarship and performance is encouraged.

Prerequisite: Music 154 or permission of instructor.



Music 186. Jazz Improvisation - (New Course)

Catalog Number: 40907

William Kirk Bares

Half course (spring term). M., 3-5. EXAM GROUP: 8, 9

Building upon Music 153, this course emphasizes rhythm, timbre, texture, signifying, blues aesthetics and other culturally valued aspects of jazz performances. Students will explore jazz's solo and group dynamics by improvising together.

Prerequisite: Music 153 or permission of instructor.

***Music 187r. Chamber Music Performance - (New Course)**

Catalog Number: 17431 Enrollment: Limited to 60. By audition prior to first class.

Federico Cortese

Half course (fall term; repeated spring term). Hours to be arranged.

Instrumental chamber music is prepared in private coachings.

Note: Not for concentration credit.

Music 190r. Topics in World Music: Proseminar

Catalog Number: 1312

Richard K. Wolf

Half course (fall term). M., 1-3.

Music in Islamic Contexts: South and West Asia. Explores what it means for musical cultures to share Islam as a common context by examining musical cultures and issues pertaining to the Muslim world as a whole.

Note: For music concentrators or permission of instructor. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for Literature and Arts B.

Music 190rs. Topics in World Music: Proseminar

Catalog Number: 7577 Enrollment: Limited to 12.

Richard K. Wolf

Half course (spring term). M., 1-3. EXAM GROUP: 6, 7

South Indian Music. Analytical and contextual approach to the classical music of South India.

Library or fieldwork project required.

Note: By permission of instructor. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Thomas Forrest Kelly

Half course (fall term). Th., 1-3.

Medieval and Renaissance Instrumental Music. Vocal music is at the center of most studies of medieval and Renaissance music, but these periods include important repertoires of instrumental music: dances, accompaniments, solo music for lute, keyboard, vihuela, and ensemble. We will study the instruments, the contexts, and the repertoires-written and unwritten--of instrumental



music from the eleventh to the sixteenth century. Students will learn to transcribe lute tablature, dance a basse danse, and improvise on an Italian tenor.

Note: For music concentrators or permission of instructor.

Music 191rs. Music as Object and Act, 1400-1600

Catalog Number: 2871

Sean Gallagher

Half course (spring term). Th., 1–3.

Focuses on European polyphony during a period that saw fundamental changes in the concept of the musical work, its transmission, and its functions in both secular and religious contexts.

Note: For music concentrators or by permission of instructor.

Music 192r. Topics in Music from 1600–1800: Proseminar

Catalog Number: 6726

Matthias Roeder

Half course (fall term). Tu., 1–3.

Opera in the 18th Century. Explores exemplary works, their cultural contexts as well as their reception histories. Focuses on European opera up to ca. 1800.

Note: For music concentrators or permission of instructor.

[Music 192rs. Topics in Music from 1600 - 1800]

Catalog Number: 8357

Instructor to be determined

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Music 193r. Topics in Music from 1800 to the Present: Proseminar

Catalog Number: 3741

Anne C. Shreffler

Half course (fall term). F., 1–3.

Music Since 1945. A survey of concert music since WW II. The main emphasis will be on listening to and thinking about selected works. Readings from composers' writings and interviews, music analyses and music history texts.

Note: For music concentrators or by permission of instructor.

[Music 193rs. Topics in Music from 1800 - Present]

Catalog Number: 5935

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11. For music concentrators or by permission of instructor.

[Music 193rt. Topics in Music from 1800 to the Present]

Catalog Number: 3230

Instructor to be determined

Half course (spring term). Hours to be arranged.



Note: Expected to be given in 2010–11. Expected to be given in 2009-10. For music concentrators or by permission of instructor.

[Music 193ru (formerly Music 192r). Topics in Music from 1800-Present]

Catalog Number: 2944

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11. For music concentrators or permission of instructor.

Music 194r. Special Topics: Proseminar

Catalog Number: 2846

Daniel Albright

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Shakespeare Music. The music of Shakespeare's own patternings of text, and the Shakespearean aspects of musical compositions. Codes for interpreting dramatic music, both in Shakespeare's time and in the ages of Purcell, Verdi and Britten.

Note: For music concentrators or by permission of instructor. May be taken by students from other departments with permission of instructor.

[Music 194rs. Special Topics: Proseminar]

Catalog Number: 8586

Instructor to be determined

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[Music 194rt. Special Topics: Proseminar]

Catalog Number: 8523

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[Music 194ru. Special Topics: Proseminar]

Catalog Number: 7341

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Cross-listed Courses

Aesthetic and Interpretive Understanding 17 (formerly Literature and Arts B-78).

Soundscapes: Exploring Music in a Changing World

[African and African American Studies 182. R & B, Soul, and Funk]

[African and African American Studies 231. Topics in African American Literature and Arts]

Literature and Arts B-51. First Nights: Five Performance Premieres

Literature and Arts B-54. Chamber Music from Mozart to Ravel



[Literature and Arts B-62. The Politics of Music]

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue]

Literature and Arts B-85. American Musicals and American Culture

[*Mind, Brain, and Behavior 91 (formerly *Mind, Brain, and Behavior 98). Music, Mind, and Brain]

Primarily for Graduates

Music Bhf. Exercises in Tonal Writing and Analysis

Catalog Number: 3045

Olaf Leon Post

Half course (throughout the year). F., 9:30–11. EXAM GROUP: 2, 3

Includes theory (level of Music 154) as well as keyboard and ear training.

Note: Required of all graduate students. This requirement must be met before admission to the General Examination.

Music 201a. Current Methods in Historical Musicology

Catalog Number: 4975

Carol J. Oja

Half course (spring term). Th., 1:30–3:30.

Introduction to musicological scholarship drawing upon theoretical frameworks, and working methods of historical musicology. Includes aspects of the history of the discipline of musicology, as well as newer methodologies. Students will read relevant theoretical texts from other disciplines and consider the possibilities of interdisciplinary projects within musicology.

Note: Graduate students only. May be taken independently by students from other departments with permission of instructor.

Music 201b. Current Methods in Ethnomusicology

Catalog Number: 3995

Richard K. Wolf

Half course (fall term). W., 10–12.

Focuses on the introduction to scholarly study of music with emphasis on the history and methodologies of ethnomusicology. Theories of music in culture, field methods, analytical and notational strategies, and critical tools for scholarship.

Note: May be taken by students from other departments with permission of instructor.

[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]

Catalog Number: 6891

Kay Kaufman Shelemay

Half course (fall term). Tu., 1–3.

An introduction to the theories and methods of ethnomusicological fieldwork, including changing conceptions of the research site, ethical concerns, interview techniques, the ethnography of musical performance, and data analysis and interpretation.

Note: Expected to be given in 2010–11. Individual research project required. Open to undergraduates with permission of instructor.



Music 207r. Ethnomusicology: Seminar

Catalog Number: 2149

Richard K. Wolf

Half course (spring term). W., 10–12.

Music and Language. Methods of phonetics, social linguistics, and ethnomusicology are combined to examine music and speech, including epic storytelling and laments, instrumental speech surrogates, and poetry. Materials potentially drawn from any period or location.

Note: Open to undergraduates with permission of instructor.

[Music 207rs. Ethnomusicology: Seminar]

Catalog Number: 8999

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11. Open to undergraduates with permission of instructor.

Music 208r. Ethnomusicology: Seminar

Catalog Number: 2232

Kay Kaufman Shelemay

Half course (fall term). Tu., 10–12.

Musical Communities. A cross-cultural and comparative approach to the social and musical process that give rise to musical communities. Research project required.

Note: Open to undergraduates with permission of instructor.

[Music 209r. Ethnomusicology: Seminar]

Catalog Number: 4022

Ingrid Monson

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11. Open to undergraduates with permission of instructor.

Music 212r. Chant: Seminar

Catalog Number: 4984

Thomas Forrest Kelly

Half course (spring term). W., 3–5.

Chant. Medieval chant is the foundation of the western musical tradition, and is the only body of western music in continuous use for more than a thousand years. The seminar will study the repertory and styles of Gregorian chant; particular attention will be given to the transmission of words and music in prosulae.

Note: Open to undergraduates with permission of instructor.

[Music 213r. Topics in Medieval Polyphony]

Catalog Number: 8384

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.



Music 214r. Renaissance Music: Seminar

Catalog Number: 7825

Sean Gallagher

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The Trent Codices.

Note: Open to undergraduates with permission of instructor.

[Music 215r. Baroque: Seminar]

Catalog Number: 6817

Instructor to be determined

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11. Open to undergraduates with permission of instructor.

Music 216r (formerly Music 216rs). 18th-Century Music: Seminar

Catalog Number: 1802

Christoph Wolff

Half course (fall term). M., 2–4.

Unfinished Musical Works from Bach to Schubert. Studies in manuscript sources, analysis, and aesthetics.

Note: Open to undergraduates with permission of instructor.

Music 216rs. Music in the Public Sphere - (New Course)

Catalog Number: 20136

Matthias Roeder

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

Explores music in public places, the connection between music and politics, and the significance of social changes for the reception of music. Case studies with an emphasis on 18th-century Germany.

Note: Open to undergraduates with permission of instructor.

[Music 217r. 19th-Century Music: Seminar]

Catalog Number: 9814

Lewis Lockwood

Half course (fall term). Hours to be arranged.

Late Beethoven.

Note: Expected to be given in 2010–11. Music Department graduate students only.

Music 218r. 20th-Century Music: Seminar

Catalog Number: 0774

Carol J. Oja

Half course (fall term). Tu., 2–4.

Early African American Musical Theatre. Explores the rich history of African American musical theatre from *In Dahomey* (1898) through *Carmon Jones* (1943 stage, 1954 film), encompassing shows with all-black performance and creative teams as well as those of mixed-race lineage.

Note: Open to undergraduates with permission of instructor.



[Music 218rs. 20th-Century Music: Seminar]

Catalog Number: 0301

Instructor to be determined

Half course (spring term). F., 1–3.

Note: Expected to be given in 2010–11. Graduate students only, with priority given to Music Department graduate students.

[Music 218rt. 20th-Century Music: Seminar]

Catalog Number: 3970 Enrollment: Open to undergraduates with permission of instructor.

Instructor to be determined

Half course (fall term). Th., 10–12.

Note: Expected to be given in 2010–11.

Music 219r. 19th- and 20th-Century Music

Catalog Number: 2275

Anne C. Shreffler

Half course (spring term). F., 1–3.

Music of the Last Ten Years.

Note: Open to undergraduates with permission of instructor.

Music 219rs. Ballets Russes, Ballets Suédois

Catalog Number: 1518

Simon A. Morrison

Half course (spring term). Th., 10–12.

An examination of the major works produced by the Ballets Russes and Ballets Suédois, with a stress on the relationship between music and dance, the rivalries between the two companies, and their contribution to French modernism.

Note: Open to undergraduates with permission of instructor.

Music 220ar. History of Music Theory: Seminar

Catalog Number: 2119

Suzannah Clark

Half course (fall term). W., 1–3.

Quirks in the Major-Minor System: Theories of Harmony c. 1800-1850. Examines how theorists in the first half of the 19th century construed the rudiments of tonal music (scales and triads) and how this influenced their notion of key relations, modulation and form. Focus on both French and German traditions.

[Music 220br. History of Music Theory: Seminar]

Catalog Number: 1580 Enrollment: Limited to 20.

Instructor to be determined

Half course (spring term). Tu., 4–6.

Note: Expected to be given in 2010–11. Open to undergraduates with permission of instructor.

Music 221r. Current Issues in Music Theory

Catalog Number: 5926



Christopher Hasty

Half course (spring term). Tu., 10–12.

Thinking with Music. The title of this seminar is meant in two senses: music as a form of thought (thinking along with music) and music as a vehicle for thinking about thought (using music as a way of thinking about thought process in general). The work of the seminar will be to develop a theory of musical experience that directly engages the problematics of, among others, subject/object and music/language. The focus will be on both musical sound and on more or less recent philosophical and psychological approaches to the problem of thought -- primarily the work of Peirce, James, Dewey, Bergson, Whitehead, Lacan, Deleuze, and Gendlin. Although we will not focus on musicological discourse, the relevance of our inquiry to that discourse should become clear.

Music 222r. Schenkerian Analysis I

Catalog Number: 4055

Suzannah Clark

Half course (spring term). W., 1–3.

Introduction to the theories and graphing techniques of Heinrich Schenker and his followers through the analysis of selected works.

Note: Open to undergraduates with permission of instructor.

Music 230r (formerly Music 230ar). New Music-New Ways of Thinking

Catalog Number: 5712

Christopher Hasty

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

Careful consideration of selected pieces from the work of six composers: Feldman, Wolpe, Sciarrino, Lachenmann, Czernowin, and Scelsi. Writings of the composers and a variety of critics will be read with and against our developing understanding of the music and ways of expressing that understanding.

Note: Music department graduate students only.

[Music 230rs. Topics in Music Theory II]

Catalog Number: 6696

Christopher Hasty

Half course (spring term). Th., 10–12.

Repetition

Note: Expected to be given in 2010–11.

[Music 235r. Cognitive Theories of Music]

Catalog Number: 9538

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Music 250hf. Colloquium on Teaching Pedagogy - (New Course)

Catalog Number: 92429

Christoph Wolff



Half course (throughout the year). Fall: W., 3–5; Spring: Tu., 10–12. EXAM GROUP: Spring: 12, 13

The craft of teaching.

Note: Required of all third year graduate students.

***Music 261r. Composition: Seminar**

Catalog Number: 3326

Chaya Czernowin

Half course (fall term). Hours to be arranged.

For first year graduate students prepared for work in original composition.

***Music 261rs. Composition: Seminar - (New Course)**

Catalog Number: 32538

Anne C. Shreffler

Half course (spring term). Hours to be arranged.

For first year graduate students prepared for work in original composition.

***Music 262r. Composition: Seminar**

Catalog Number: 4457

Rand Steiger

Half course (fall term). Hours to be arranged.

For second year and advanced graduate students prepared for work in original composition.

***Music 262rs. Composition: Seminar - (New Course)**

Catalog Number: 41444

Chaya Czernowin

Half course (spring term). Hours to be arranged.

For second year students prepared for work in original composition.

Music 264ra. Electronic Music Composition: Seminar

Catalog Number: 1939

Hans Tutschku

Half course (fall term). Tu., 2–4.

Music and Space. Intensive work in computer music concentrating on traditional and recent electronic techniques.

Note: Music 264ra may be taken independently of Music 264rb.

Prerequisite: Previous knowledge of electronic music techniques, or permission of instructor.

[Music 264rb. Electronic Music: Composition]

Catalog Number: 3357

Hans Tutschku

Half course (spring term). M., 2–4.

Compositions of Live Electronics. Intensive work in signal processing in MSP.

Note: Expected to be given in 2010–11. Music 264rb may be taken independently of Music 264ra.

Prerequisite: Previous knowledge of Max/MSP.



[Music 265r. Orchestration]

Catalog Number: 2379 Enrollment: Limited to 8.

Instructor to be determined

Half course (spring term). Hours to be arranged.

Focuses on composing for orchestral instruments in large ensembles and orchestras. It alternates classroom meetings and practical sessions with instrumentalists.

Note: Expected to be given in 2010–11. Open to composition graduate students or with permission of instructor.

Music 270r. Special Topics

Catalog Number: 3727

Robert Zuidam

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Intuition, technique and musical invention

[Music 271r. Fromm Seminar in Composition]

Catalog Number: 1311

Anne C. Shreffler

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Music 272r. Special Topics

Catalog Number: 2059 Enrollment: Limited to 8.

Rand Steiger

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Conductors and Conducting.

***Music 272rs. Special Topics - (New Course)**

Catalog Number: 56551

Chaya Czernowin

Half course (spring term). M., 10–12.

Analysis and Critic of Recent Works.

[Music 299r (formerly Music 299). Reading and Research for Masters]

Catalog Number: 6548

Christoph Wolff, Thomas Forrest Kelly, Robert D. Levin, and Alexander Rehding

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work on specific topics leading to the completion of the masters thesis.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Richard Beaudoin 6255, Suzannah Clark 5718, Chaya Czernowin 6714, Sean Gallagher 4415, Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482, Ingrid Monson



1591 (on leave 2009-10), Carol J. Oja 4599, Alexander Rehding 4651 (on leave 2009-10), Sindhumathi Revuluri 5846 (on leave 2009-10), Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147 (on leave spring term) (fall term only), Richard K. Wolf 1386, and Christoph Wolff 4532

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Suzannah Clark 5718, Sean Gallagher 4415, Christopher Hasty 4445, Thomas Forrest Kelly 1324, Ingrid Monson 1591 (on leave 2009-10), Carol J. Oja 4599, Alexander Rehding 4651 (on leave 2009-10), Sindhumathi Revuluri 5846 (on leave 2009-10), Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147 (on leave spring term) (spring term only), Richard K. Wolf 1386, and Christoph Wolff 4532

Individual work in preparation for the General Examination for the PhD degree.

Note: May not be counted toward course requirements for the PhD degree.

***Music 309. Doctoral Colloquium**

Catalog Number: 2260

Christoph Wolff 4532

Half course (spring term). Hours to be arranged.

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Suzannah Clark 5718, Chaya Czernowin 6714, Sean Gallagher 4415, Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482, Ingrid Monson 1591 (on leave 2009-10), Carol J. Oja 4599, Alexander Rehding 4651 (on leave 2009-10), Sindhumathi Revuluri 5846 (on leave 2009-10), Kay Kaufman Shelemay 3483, Anne C. Shreffler 4656, Hans Tutschku 5147 (on leave spring term), Richard K. Wolf 1386, and Christoph Wolff 4532

Note: May not be counted toward course requirements for the PhD degree.

Near Eastern Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Near Eastern Languages and Civilizations

P. Oktor Skjaervo, Aga Khan Professor of Iranian (*Chair*)

Irit Aharony, Senior Preceptor in Modern Hebrew

M. Shahab Ahmed, Assistant Professor of the Study of Religion (*on leave fall term*)

Khaled Al-Masri, Preceptor in Arabic



Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)
 Mostafa Atamnia, Preceptor in Modern Arabic on the Ali Abdul Rahman Alturki Endowment
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
 Khaled El-Rouayheb, Assistant Professor of Islamic Intellectual History
 John L. Ellison, Lecturer on Near Eastern Languages and Civilizations
 Sayed Abdallah Ali Elsis, Preceptor in Arabic
 William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*), John
 Lord O'Brian Professor of Divinity (*Divinity School*), Dean of the Faculty of Divinity (*Divinity
 School*)
 William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment (*on
 leave spring term*)
 Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations
 Anna Grinfeld, Preceptor in Modern Hebrew (*fall term only*)
 Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
 Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic
 Feryal Hijazi, Preceptor in Arabic
 Susan M. Kahn, Lecturer on Near Eastern Languages and Civilizations
 Peter Machinist, Hancock Professor of Hebrew and other Oriental Languages (*Director of
 Undergraduate Studies*)
 Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations
 James R. Russell, Mashtots Professor of Armenian Studies (*on leave fall term*)
 Richard J. Saley, Lecturer on Near Eastern Languages and Civilizations (*fall term only*)
 Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization (*on
 leave fall term*)
 Lawrence E. Stager, Dorot Professor of the Archaeology of Israel
 Piotr Steinkeller, Professor of Assyriology (*on leave fall term*)
 Benjamin John Studevent-Hickman, Lecturer on Assyriology
 Himmet Taskomur, Preceptor in Ottoman and Modern Turkish
 Yuri Vedenyapin, Preceptor in Yiddish
 Yuhan Vevaina, Lecturer on Old Iranian (*fall term only*)
 Ruth R. Wisse, Martin Peretz Professor of Yiddish Literature and Professor of Comparative
 Literature (*Director of Graduate Studies*)
 Dalia Yasharpour, Preceptor in Persian

***Other Faculty Offering Instruction in the Department of Near Eastern Languages and
 Civilizations***

Baber Johansen, Professor of Islamic Studies (*Divinity School*)
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
 Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 Roy Mottahedeh, Gurney Professor of History
 John S. Schoeberlein, Lecturer on Anthropology
 Jonathan Schofer, Associate Professor of Comparative Ethics (*Divinity School*)
 Andrew Teeter, Assistant Professor of Hebrew Bible/Old Testament (*Divinity School*)

Knowledge of a Near Eastern language is not required in courses designated as Near Eastern



Civilizations, Ancient Near East, Jewish Studies, Early Iranian Civilizations, Islamic Civilizations, and Armenian Studies, unless otherwise stated.

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Satisfactory/Unsatisfactory. Students should consult with course heads to determine if a course is offered on that basis.

Near Eastern Civilizations

Primarily for Undergraduates

Near Eastern Civilizations 90. Junior Seminars. These half courses are limited in enrollment with preference given to Near Eastern Languages and Civilizations concentrators in their junior years. Undergraduate non-concentrators may enroll in junior seminars on a space available basis.

***Near Eastern Civilizations 91r. Supervised Reading and Research**

Catalog Number: 1132

Peter Machinist and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research in subjects not treated in regular courses.

***Near Eastern Civilizations 97r. Group Tutorial—Sophomore Year**

Catalog Number: 0167

P. Oktor Skjaervo and members of the Department

Half course (spring term). Th., 4–6. EXAM GROUP: 18

An introduction to the cultures and literatures of the Near East in ancient, classical, and modern times, emphasizing major themes and problems that cut across individual cultures and historical periods.

***Near Eastern Civilizations 98r. Tutorial — Junior Year**

Catalog Number: 2612

Peter Machinist and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for juniors concentrating in Near Eastern Languages and Civilizations.

***Near Eastern Civilizations 99r. Tutorial — Senior Year**

Catalog Number: 6623

Peter Machinist and members of the Department

Full course. Hours to be arranged.

Note: Designed for seniors concentrating in Near Eastern Languages and Civilizations.

Cross-listed courses

Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

For Undergraduates and Graduates



Primarily for Graduates

Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar

Catalog Number: 5918

Susan M. Kahn

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Interdisciplinary seminar serves as an introduction to the major disciplines constituting Middle Eastern Studies, including history, political science, anthropology, literature and Islamic Studies. Faculty affiliated with Center for Middle Eastern Studies serve as guest lecturers.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for first-term students in the AM in Middle Eastern Studies program, although open to Graduate students in related fields.

Near Eastern Civilizations 200b. Middle Eastern Studies Research Project: Seminar

Catalog Number: 9274

Susan M. Kahn

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

This course introduces students to a range of research methods and scholarly sources in preparation for writing a proposal for the masters thesis in Middle Eastern Studies (students from other areas are welcome). Students are expected to formulate a research question, identify methods appropriate to their inquiry, compile a literature review, and write a thesis proposal. Successful completion of the course depends on the student's ability to secure the commitment of a thesis advisor by the end of the semester.

Note: Required for students who have elected to write a masters thesis in Middle Eastern Studies; open to graduate students in related fields.

Graduate Courses of Reading and Research

***Near Eastern Civilizations 300. Direction of Master's Thesis**

Catalog Number: 2448

J. F. Coakley 3409, William E. Granara 1054 (on leave spring term), Wolfhart P. Heinrichs 4988, Susan M. Kahn 4833, Jon D. Levenson (Divinity School) 2264, Roy Mottahedeh 1454, and John S. Schoeberlein 1016

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739 (on leave fall term), Shaye J.D. Cohen 4180, William A. Graham, Jr. 4156, William E. Granara 1054 (on leave spring term), Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, James R. Russell 3411 (on leave fall term), Bernard Septimus 7160 (on leave fall term), P. Oktor Skjaervo 2869, Lawrence E. Stager 1468, Piotr Steinkeller 7337 (on leave fall term), and Ruth R. Wisse 3177

Ancient Near Eastern and Biblical Studies

See also below under Akkadian and Sumerian, Aramaic, Hebrew, and Semitic Philology.



Primarily for Undergraduates

[Ancient Near East 90. History, Kingship, and the Gods in the Ancient Near East]

Catalog Number: 2490

Peter Machinist

Half course (spring term). M., W., at 12; F., at 1. EXAM GROUP: 5

An introduction to the major civilizations of the ancient Near East, focusing on the periods prior to the coming of Alexander the Great to the region, and on such topics as the rise and fall of states and empires, the ways in which the ancients understood and wrote history, and religious beliefs and practices both as these define a common ancient Near Eastern world and differentiate the particular cultures within it.

Note: Expected to be given in 2010–11.

For Undergraduates and Graduates

[Ancient Near East 100. History of the Ancient Near East:]

Catalog Number: 0702

Benjamin John Studevent-Hickman

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1115.

[Ancient Near East 102. Introduction to Mesopotamian Religion]

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). Tu., Th., at 11.

A survey of the sources, data, and principal concerns. A selection of texts are read in translation.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3661.

[Ancient Near East 104. Babylon - \(New Course\)](#)

Catalog Number: 63543

Benjamin John Studevent-Hickman

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

An introduction to the ancient city of Babylon, including both its history as a seat of political power and its legacy in the Western tradition. Topics include the physical layout of the city, daily life in Babylonian society, what we know about such landmarks as the Hanging Gardens of Babylon and the Tower of Babel, and Babylonian contributions to literature, religion, law, and astronomy. Also covered are the city's use as a symbol of wickedness in the Judeo-Christian tradition, the future of the site, and the broader cultural heritage of ancient Iraq. The course integrates archaeological, art historical, and textual data from the Near East and beyond to explore these issues.

Note: This course, when taken for a letter grade, meets the General Education requirement for either Culture and Belief or Societies of the World, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.



[Ancient Near East 105. History of the Ancient Near East: The Levant (up to Alexander the Great)]

Catalog Number: 0711

Lawrence E. Stager

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

The civilization and cultural traditions of the peoples of Syria-Palestine from the third millennium to the time of Alexander the Great.

Note: Expected to be given in 2010–11.

[Ancient Near East 107. History and Historiography in the Ancient Near East]

Catalog Number: 0665

Peter Machinist

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Conceptions of history and the practice of historical writing in the ancient Near East. Discussions based on a comparative study of texts from a variety of cultural traditions, such as the Hittites, Mesopotamia, ancient Israel/ Hebrew Bible, and Second Temple Judaism, together with classical Greece.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1427.

[Ancient Near East 109r. History and Archaeology of the Ancient Near East]

Catalog Number: 1822

Lawrence E. Stager and Peter Machinist

Half course (spring term). Hours to be arranged.

Topic for 2009-10: To be announced.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 1822.

[Ancient Near East 111. Law in the World of the Bible]

Catalog Number: 6397

Peter Machinist

Half course (spring term). Hours to be arranged.

An examination of what law was and how it operated in ancient Israel through its primary expression in the Hebrew Bible. Attention to the wider contexts of law in the ancient Near East, especially Mesopotamia, in which Biblical law originated, and to the legacy of Biblical law in the subsequent traditions of early Judaism.

Note: Expected to be given in 2010–11.

[Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)]

Catalog Number: 2813

Lawrence E. Stager and Ofer Bar-Yosef

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

A chronological survey of the archaeology of the Levant in which material culture provides a window on human evolution, society, economy, and religion from the Lower Palaeolithic to Hellenistic times. Special topics include the earliest colonization of *Homo erectus*, the origin of modern humans, the emergence of farming and pastoral societies, the formation and dissolution of Bronze Age city-states, and the rise and fall of Iron Age kingdoms such as Israel, Moab, and



Edom.

Note: Expected to be given in 2010–11. Includes a lab section.

Ancient Near East 117. Biblical Archaeology

Catalog Number: 1371

Lawrence E. Stager

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Archaeology and texts, such as the Bible, used to reconstruct aspects of social, economic, and religious life (from courtier to commoner) in ancient Israel during the Iron Age.

Note: Offered jointly with the Divinity School as 1422. Includes a lab section.

Ancient Near East 118. Syro-Palestinian Pottery

Catalog Number: 1368

Lawrence E. Stager

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

A basic introduction to the pottery sequence of Palestine and Syria from Neolithic through Roman times, with emphasis on typological attributes having chronological significance.

Conducted in the Harvard Semitic Museum laboratory.

Note: Includes a lab section.

Ancient Near East 120a. Introduction to the Hebrew Bible/Old Testament 1: Pentateuch and Former Prophets

Catalog Number: 6544

Andrew Teeter (Divinity School)

Half course (fall term). Tu., Th., at 10 - 11:30 and one hour to be arranged. EXAM GROUP: 99

A critical introduction to the literature and theology of the Hebrew Bible, considered in light of the historical contexts of its formation and the interpretive contexts of its reception within Judaism and Christianity. The course, the first part of a divisible, year-long sequence, will focus on the major biblical narrative traditions, the Pentateuch and Former Prophets.

Note: Offered jointly with the Divinity School as 1102.

Ancient Near East 120b. Introduction to the Hebrew Bible/Old Testament 2: Latter Prophets and Writings - (New Course)

Catalog Number: 22968

Andrew Teeter (Divinity School)

Half course (spring term). Tu., Th., at 10-11:30 and one hour to be arranged. EXAM GROUP: 99

A critical introduction to the literature and theology of the Hebrew Bible, considered in light of the historical contexts of its formation and the interpretive contexts of its reception within Judaism and Christianity. The course, the second part of a divisible, year-long sequence, will focus on the Latter Prophets and the Writings.

Note: Offered jointly with the Divinity School as 1103.

Ancient Near East 124. Myth and Myth-Making in the Biblical and Ancient Near Eastern World

Catalog Number: 7859



Peter Machinist

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An exploration of the nature and function of myth in the context of the ancient Near East. The course focuses on selected mythic texts from various Near Eastern cultures and consider them in the light of general approaches to myth developed in Western scholarship. Particular attention is given to the issue of myth in the Hebrew Bible.

Note: Offered jointly with the Divinity School as 1128/3410.

Ancient Near East 126. History of the Religion of Ancient Israel

Catalog Number: 1672

Peter Machinist

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

The study of ancient Israelite religion and culture in comparative historical context. Topics examined include conceptions of divinity, prophecy, law, kingship, and cult. Through such topics the aim is to see how Israel related to other cultures of the ancient Near East and, thus, of what value the study of the other cultures has in understanding the character of Israelite religion itself.

Note: Offered jointly with the Divinity School as 1110.

[Ancient Near East 127. Prophecy in Ancient Israel]

Catalog Number: 6739

Peter Machinist

Half course (spring term). Hours to be arranged.

A study of the phenomenon and history of Israelite prophecy, as recorded in the Hebrew Bible, in the light of prophecy elsewhere in the ancient Near East and in other cultures. Pertinent sociological, literary, and religious issues explored.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 1125.

Ancient Near East 131. Readings in the Septuagint

Catalog Number: 3661

Richard J. Saley

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

This course aims to increase facility with Septuagint Greek by reading representative prose portions of the Septuagint and studying the peculiarities of the grammar inductively. The fundamentals of Koine Greek will be reviewed as necessary.

Note: Offered jointly with the Divinity School as 4215.

Prerequisite: One year of Greek.

Ancient Near East 132. Ancient Jewish Wisdom Literature

Catalog Number: 9522

Jon D. Levenson (Divinity School)

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 99

A close critical reading and interpretation of works thought to derive from the Wisdom tradition of ancient Israel, through the Second Temple period. The workings of the world and the ways of God as they appear in works such as Proverbs, Job, Qohelet, Ben Sira, some Psalms, the Wisdom of Solomon, Fourth Maccabees, and Pseudo-Phocylides as well as narratives such as the Joseph



story, Esther, and Daniel. Egyptian and Mesopotamian antecedents and parallels briefly considered. Emphasis on matters of worldview and literary form.

Note: Offered jointly with the Divinity School as 1416.

Prerequisite: Ancient Near East 120 or an equivalent introduction to the historical-critical study of the Hebrew Bible.

Ancient Near East 134. Genesis: Narrative Artistry and Theological Meanings

Catalog Number: 3291

Jon D. Levenson (Divinity School)

Half course (fall term). M., W., 10–11:30.

A close critical reading in English of the book of Genesis with an eye both to the storytellers' techniques and to the moral and theological dimensions of the text. Emphasis will be given to literary and religious rather than historical and editorial issues.

Note: Offered jointly with the Divinity School as 1417.

Prerequisite: Ancient Near East 120 or an equivalent introduction to the historical-critical study of the Hebrew Bible.

Primarily for Graduates

[Ancient Near East 210. Textual Criticism of the Hebrew Bible: Seminar]

Catalog Number: 5492

Richard J. Saley

Half course (fall term). Tu., 3–6. EXAM GROUP: 17, 18

This course focuses on the art of recovering the text of the Hebrew Bible using Hebrew and Greek manuscripts as well as other early textual witnesses.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1819.

Prerequisite: At least two years of Hebrew and one year of Greek; some knowledge of Aramaic, Latin, and Syriac is beneficial but not required.

[*Ancient Near East 215r. Problems in the Archaeology of Bronze and Iron Age Levant: Seminar]

Catalog Number: 2960

Lawrence E. Stager

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

Topic for 2006-07: To be announced.

Note: Expected to be given in 2010–11. Conducted in the Harvard Semitic Museum Laboratory.

[Ancient Near East 222. History of the Study of the Hebrew Bible: From the Renaissance to the Present: Seminar]

Catalog Number: 8086

Peter Machinist

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Surveys Hebrew biblical scholarship since the Renaissance, focusing on particular scholars and their representative and seminal works. The central theme is the emergence of and reactions to a historical-critical understanding of the Bible.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1425.



Prerequisite: A background in the study of the Hebrew Bible. Also, Biblical Hebrew and at least one of the following: French, German, and Modern Hebrew.

[Ancient Near East 225. The Greek Bible in History and Theology: Seminar]

Catalog Number: 2475

Andrew Teeter (Divinity School)

Half course (fall term). F., at 9.

An exploration of social, historical, interpretive, and theological issues associated with the so-called Septuagint and its complex relationship to early Judaism and Christianity. Emphases include origins, eschatology, messianism, halakhah, NT backgrounds, and biblical theology.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1301.

Prerequisite: Basic reading knowledge of Greek and Hebrew.

Cross-listed Courses

[Classical Studies 221. Syria and Syrians under Greek Colonialism - \(New Course\)](#)

[Culture and Belief 13. The Contested Bible: The Sacred-Secular Dance]

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

[Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity](#)

Graduate Courses of Reading and Research

***Ancient Near East 310. Reading and Research in Ancient Near Eastern Archaeology**

Catalog Number: 4264

Lawrence E. Stager 1468

***Ancient Near East 320. Reading and Research in Ancient Mesopotamian Civilization**

Catalog Number: 5678

Peter Machinist 2812 and Piotr Steinkeller 7337 (on leave fall term)

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, and Lawrence E. Stager 1468

Postbiblical Jewish Studies

See also below under Aramaic, Hebrew, and Yiddish.

Primarily for Undergraduates

Cross-listed Courses

For Undergraduates and Graduates



Jewish Studies 104. Introduction to Yiddish Culture

Catalog Number: 8611

Yuri Vedenyapin

Half course (spring term). W., 4–6. EXAM GROUP: 9

Exploration of a thousand years of Jewish culture, from the earliest settlements in Germany and Poland to the present. Examination of its geographical, intellectual, and artistic breadth through the history of the Yiddish language, selections of Yiddish literature, the press, film, theater, and klezmer music. Analysis of Jewish mysticism and superstitions; food and dress; rituals and beliefs; gender, family, and sexuality. Particular attention given to the relevance of Yiddish culture today and its influence on the arts and politics in the U.S., Israel, Eastern Europe, and around the world.

Note: All course readings and lectures will be in English. No knowledge of Yiddish is required. May be taken Pass/Fail.

Jewish Studies 105. Modern Yiddish Poetry - (New Course)

Catalog Number: 67625

Ruth R. Wisse

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Introduction to Yiddish poetry 1890s-1970s, tracing its trends and movements through close study of major works in various genres-lyric, dramatic, narrative, epic. Includes poems written in Europe, America, and Israel. Uses bilingual editions with transliteration and voice recordings to examine issues and theories of translation.

Note: No prior knowledge of Yiddish required-though may be acquired.

Jewish Studies 109 (formerly Yiddish 109). The Yiddish Novel Under Tsars and Stripes

Catalog Number: 6009

Ruth R. Wisse

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Studies the emergence of the Yiddish novel as a major literary form in Russia, Poland, and the US. Begins with the pioneer of modern Yiddish and Hebrew prose, Mendele Mocher Sforim, includes Sholem Aleichem, Sholem Asch, David Bergelson, Der Nister, and the family Singer: Israel Joshua, Isaac Bashevis, and Esther Kreitman. Highly compressed development of the genre reflects great artistic, ideological, and thematic variety.

Note: All works available in English translation. There will be an extra section for Yiddish readers.

Jewish Studies 111. Modern Jewish Thought

Catalog Number: 5461

Jay M. Harris

Half course (spring term). M., 2–4.

A study of significant Jewish thinkers in the modern period and their reflections on the past and present meaning of Judaism. All thinkers studied against the background of premodern Jewish thought and the challenges posed by modern Western philosophical systems.

Note: Offered jointly with the Divinity School as 3682.



Jewish Studies 135. Jewish-Arab Encounters: the Classical Age

Catalog Number: 3448

Bernard Septimus

Half course (spring term). Tu., Th., at 12 and an optional discussion section W., at 4. EXAM GROUP: 14

An examination of Jewish-Arab cultural exchange against its socio-political backdrop, from the pre-Islamic period through the thirteenth century. Topics include: perceptions of the other; social relations; polemics; conversions; interchange in the realms of religion, law, literature, philosophy and mysticism; the end of the classical age. These topics will be explored through primary sources in translation.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for Historical Study B. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Jewish Studies 140. Deconstruction and Questions of Jewish Identity: Seminar

Catalog Number: 2198

Avi Matalon

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Examines the work of philosopher Jacques Derrida (1930–2004) and the method of deconstruction. Focuses on Derrida's writings that touch on questions of identity, as developed in his prolific career.

[Jewish Studies 144. History and Memory: Modes of Jewish Discourse]

Catalog Number: 7216

Rachel L. Greenblatt

Half course (spring term). W., 1–3.

Focus on close readings of selected pre-Enlightenment Jewish historical writings, with consideration of relevant theoretical and methodological frameworks. Readings will be available in the original Hebrew and Yiddish and in English translations.

Note: Expected to be given in 2010–11.

[Jewish Studies 146 (formerly Jewish Studies 215). Does Glikl Stand Alone? Medieval and Early Modern Jewish Autobiographical Writing]

Catalog Number: 9047

Rachel L. Greenblatt

Half course (fall term). Th., 1–3.

Weekly readings of Jewish writings about the self as they appear in a variety of literary genres, alongside recent scholarly literature on "Ego-documents" and Jewish autobiography.

Note: Expected to be given in 2010–11. Readings will be in English. Optional extra meetings focusing on the original Hebrew (and/or Yiddish) texts may be arranged in case of interest.

[Jewish Studies 147. Introduction to Pentateuch]

Catalog Number: 0588

Andrew Teeter (Divinity School)

Half course (spring term). Tu., Th., 10–11:30.



A critical introduction to the first five books of the Jewish and Christian Bible - the Pentateuch or Torah - with attention to essential literary, thematic, historical, and theological features, and with a view toward the continuing interpretive afterlife of these texts in Judaism and Christianity. *Note:* Expected to be given in 2010–11. Offered jointly with the Divinity School as 1303.

Jewish Studies 149. Topics in the Dead Sea Scrolls: Exegesis at Qumran - (New Course)

Catalog Number: 54969

Andrew Teeter (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 99

This course explores the diverse functions of scripture within the literature of the Dead Sea Scrolls, focusing in particular on the forms and methods of interpretation attested, considered in light of other varieties of interpretation in early Judaism. Sessions will be devoted to reading, translation and discussion of primary sources in Hebrew, as well as to discussion of relevant secondary literature.

Note: Offered jointly with the Divinity School.

Prerequisite: Two years of Biblical Hebrew strongly recommended.

Jewish Studies 168. Eighth-Century Prophets - (New Course)

Catalog Number: 14062

Michael D. Coogan

Half course (spring term). Tu., Th., 10–11:30.

A close examination of the books of Amos, Hosea, Micah, and Isaiah 1-39, in their historical and social contexts.

Note: Offered jointly with the Divinity School as 1104.

***Jewish Studies 170. Job and the Problem of Suffering - (New Course)**

Catalog Number: 80691

Michael D. Coogan

Half course (fall term). F., 9–11.

An examination of the book of Job and its poetic treatment of the human condition. The course will also consider other biblical and ancient Near Eastern texts that deal with the issue of evil in the world from a religious perspective, and later readings and retellings of Job by Frost, MacLeish, Wiesel, Fackenheim, and others.

Note: Offered jointly with the Divinity School as 1106.

Cross-listed Courses

[Culture and Belief 13. The Contested Bible: The Sacred-Secular Dance]

Culture and Belief 27 (formerly Jewish Studies 55). Text and Context: Jews and their Books in Pagan, Christian and Muslim Surroundings

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel]

***History 70g. Modern Jewish Religious Movements - (New Course)**

[*History 72b (formerly *History 1426). On Display: Commemoration, Collection and Public Spaces (c. 1600-2000)]

***History 81f (formerly History 1127). Women's Voices in Medieval and Early Modern**



Europe

History 1020 (formerly History 1091). Jews and Judaism in the Ancient World

History 1025. Overlapping Spheres: Jewish Life in Early Modern Europe - (New Course)

[History 1080 (formerly History 1150). The Jews in Muslim and Christian Spain]

History 2266. The Holocaust: Seminar - (New Course)

Literature 153 (formerly Comparative Literature 153). Saul Bellow and the New York Intellectuals

[Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture]

Literature and Arts A-48. Moral Imagination in Modern Jewish Literature

[Religion 1212a. Judaism: The Liturgical Year]

[Religion 1212b. Judaism: The Liturgical Year]

Primarily for Graduates

[*Jewish Studies 200r. Guided Readings in Jewish History]

Catalog Number: 4478

Shaye J.D. Cohen

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Topic for 2008-09: Boundaries and Identities. Readings of Jewish texts, ancient to modern, that deal with the question of the Other and the Self: what is the boundary between Jews and non-Jews, and between Judaism and non-Judaism?

Note: Expected to be given in 2010–11. Required of all entering graduate students in Jewish Studies; open to others with the permission of the instructor.

Jewish Studies 206. The Origins of Mishnaic Law

Catalog Number: 2808

Shaye J.D. Cohen

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A study of the emergence of Jewish law in antiquity. Theme for 2009: The development of Sabbath law from the Bible to the Mishnah.

Note: Open to undergraduates with the permission of the instructor. Offered jointly with the Divinity School as 3935.

Prerequisite: Ability to read Qumranic and Mishnaic texts in the original.

[Jewish Studies 207. Rewriting Scripture in Jewish Antiquity: Seminar]

Catalog Number: 9572 Enrollment: Limited to 15.

Andrew Teeter (Divinity School)

Half course (spring term). F., 11–1.

A study of the exegetical literature of so-called rewritten Bible texts from the Second Temple period, considered in relation to the received Hebrew Bible and its later interpretive traditions. Examination of exegetical techniques, aims, and presuppositions, with attention to higher level compositional strategies, underlying conceptions of scripture/scriptural authority, and the dynamics of canon formation. Primary sources will include, among others: the book of Jubilees, the Temple Scroll, Reworked Pentateuch, the Genesis Apocryphon, as well as selected prophetic and hymnic exemplars.



Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1302.

Prerequisite: Ability to read (unpointed) Hebrew.

Graduate Courses of Reading and Research

***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Irit Aharony 3305 (spring term only), Shaye J.D. Cohen 4180, Jay M. Harris 2266, Avi Matalon 4506, Bernard Septimus 7160 (on leave fall term), and Ruth R. Wisse 3177

Early Iranian Civilizations

For Undergraduates and Graduates

See also below under Arabic, Aramaic, and Iranian.

Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism

Catalog Number: 5408

P. Oktor Skjaervo

Half course (spring term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3663a.

Early Iranian Civilizations 103. Manicheism

Catalog Number: 2604

P. Oktor Skjaervo

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Introduction to and readings in Iranian Manicheism (on the basis of translated texts).

Note: Offered jointly with the Divinity School as 3580.

Islamic Civilizations

See also below under Arabic, Iranian, and Turkish.

Primarily for Undergraduates

Cross-listed Courses

Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture]

For Undergraduates and Graduates



Islamic Civilizations 124. Central Asian Culture and Society

Catalog Number: 3927 Enrollment: Limited to 15. Intended primarily for graduates and advanced undergraduates.

P. Oktor Skjaervo and assistant

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The course explores the diversity and continuity in contemporary Central Asian culture and society and their historical roots. From a variety of perspectives, both historic and contemporary, the course will examine the social meaning and cultural context of ways of life, community rituals, social institutions, religious practices, moral sensibilities, and aesthetic traditions. Some background in the Near East and/or the former Soviet Union desirable, but not required.

Prerequisite: Some background in the Near East and/or the former Soviet Union desirable.

Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology

Catalog Number: 0292

Khaled El-Rouayheb

Half course (fall term). Th., 3-5, and a weekly section to be arranged. EXAM GROUP: 17, 18

An introductory survey of the development of Islamic theology and philosophy. We will examine and discuss some of the central problems that were much debated through the centuries, such as: the relationship between philosophy and faith; whether humans possess free will; how to understand apparently anthropomorphic expressions in Scripture; whether acts are good because God commands them or God commands them because they are good; and proofs for the existence of God.

Note: Offered jointly with the Divinity School as 3602.

Cross-listed Courses

***Religion 1816. Ismaili History and Thought - (New Course)**

[*Religion 1820 (formerly *Religion 1585). Muslim Societies in South Asia: Religion, Culture, and Identity]

Primarily for Graduates

***Islamic Civilizations 215. Ibn 'Arabi - (New Course)**

Catalog Number: 95085

M. Shahab Ahmed

Half course (spring term). M., 2–4.

Readings in the life, thought, and historical influence of Muhy al-Din Ibn 'Arabi.

***Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam**

Catalog Number: 7515

Ali S. Asani

Half course (spring term). Hours to be arranged.

A seminar for graduate students focusing on current scholarship on Islamic civilization in South Asia.



Note: Open to undergraduates with a background in Islamic or South Asian studies.

Prerequisite: Introductory coursework on Islam, Religion 1820 or equivalent.

Cross-listed Courses

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture]

[Historical Study A-40. The Middle East and Europe since the Crusades: Relations and Perceptions]

[History 1877a (formerly History 1877). History of the Near East, 600-1055]

[History 1877b \(formerly *History 78b\). History of the Near East, 1055-1500: Conference Course](#)

[History 1878b. Ottoman State and Society II (1550-1920)]

[History 2884. Topics in Ottoman Social and Cultural History: Seminar](#)

[History 2886. Topics in Islamic History: Seminar](#)

[Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court](#)

[*Religion 1820 (formerly *Religion 1585). Muslim Societies in South Asia: Religion, Culture, and Identity]

Graduate Courses of Reading and Research

***Islamic Civilizations 300. Reading and Research in Islamic Civilizations**

Catalog Number: 1963

M. Shahab Ahmed 5273 (on leave fall term), *Ali S. Asani* 7739 (on leave fall term), *William A. Graham, Jr.* 4156, *William E. Granara* 1054 (on leave spring term), and *Wolfgang P. Heinrichs* 4988

Armenian Studies

See also below under Armenian.

For Undergraduates and Graduates

[Armenian Studies 100. Armenian Epic](#)

Catalog Number: 2576

James R. Russell

Half course (fall term). W., 3–6. EXAM GROUP: 8, 9

Reading in translation of *The Wild Men of Sasun*, with analysis of native historical and mythological sources, and thematic comparison to epic poetry of the neighboring Iranians (Ossetic *Narts*, Persian *Shah-nameh*, Kurdish epic songs), Turks (*Dede Korkut*), and Greeks (*Digenes Akrites*).

[Armenian Studies 105. Survey of 19th and 20th Century Armenian Poetry: From Romantics to Revolutionaries](#)



Catalog Number: 3496

James R. Russell

Half course (spring term). Hours to be arranged.

A survey of the great innovators and visionaries: Bedros Tourian, Misak Medzarents, Yeghia Demirjibashian, Daniel Varouzhian, Siamanto, Vahan Teryan, Yeghishe Charents, and their English, Russian, and French colleagues and translators. The course spans the fateful epoch from the mid-19th century to the aftermath of the Russian Revolution.

Note: Knowledge of Armenian preferred but not required.

Primarily for Graduates

Graduate Courses of Reading and Research

***Armenian Studies 300. Reading and Research in Armenian Studies**

Catalog Number: 1740

James R. Russell 3411 (on leave fall term)

Akkadian and Sumerian

See also above under Ancient Near Eastern and Biblical Studies.

Akkadian

For Undergraduates and Graduates

Akkadian A. Beginning Babylonian

Catalog Number: 4891

Benjamin John Studevent-Hickman

Full course (indivisible). M., W., F., at 11. EXAM GROUP: 4

Introduction to the fundamentals of Babylonian (Akkadian) grammar and the most commonly encountered Neo-Assyrian cuneiform signs.

Akkadian 120. Intermediate Akkadian

Catalog Number: 3724

Benjamin John Studevent-Hickman

Full course (indivisible). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 141r (formerly Ancient Near East 141r). Akkadian Myths and Epics

Catalog Number: 7618

Peter Machinist

Half course (fall term). Tu., 1–3.

Examination of selected Assyrian and Babylonian myths and epics from the latter second and first millennia B.C. Topic for 2009-10: TBA.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.



[Akkadian 143. Akkadian Literary Texts]

Catalog Number: 4815

Instructor to be determined

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Readings and analysis of a variety of literary texts.

Note: Expected to be given in 2011–12.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 144. Akkadian Divination Texts]

Catalog Number: 6734

Instructor to be determined

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Note: Expected to be given in 2011–12.

[Akkadian 148. Old Babylonian Letters]

Catalog Number: 0975

Instructor to be determined

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Note: Expected to be given in 2011–12.

Prerequisite: Akkadian A.

Akkadian 149. Akkadian Legal and Economic Texts

Catalog Number: 6703

Benjamin John Studevent-Hickman

Half course (fall term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 152. Texts and History of Imperial Assyria]

Catalog Number: 3226

Peter Machinist

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Readings and analysis of a variety of texts from the Neo-Assyrian period illustrating issues in Assyrian imperial history, culture, and language.

Note: Expected to be given in 2011–12.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a cuneiform script.

[Akkadian 153. Old Akkadian]

Catalog Number: 8334

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Readings in representative historical, epistolary, literary, and economic texts with emphasis on the grammar.

Note: Expected to be given in 2010–11.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.



[Akkadian 154a. Peripheral Akkadian]

Catalog Number: 2416

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Prerequisite: Two full courses in Akkadian.

[Akkadian 155r. Akkadian Historical Grammar and Dialectology]

Catalog Number: 0232

Instructor to be determined

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Prerequisite: Two full courses in Akkadian.

[Akkadian 156. Neo-Babylonian Inscriptions]

Catalog Number: 4024

Instructor to be determined

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Readings and analysis of a variety of texts from the Neo-Babylonian period.

Note: Expected to be given in 2010–11.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Primarily for Graduates

[Akkadian 200r. Readings in Akkadian: Seminar]

Catalog Number: 2970

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Akkadian 300. Akkadian Language and Literature**

Catalog Number: 2233

Peter Machinist 2812, Piotr Steinkeller 7337 (on leave fall term), and Benjamin John Studevent-Hickman 6157

Sumerian

For Undergraduates and Graduates

[Sumerian A. Elementary Sumerian]

Catalog Number: 5260

Piotr Steinkeller

Full course (indivisible). Spring: Tu., Th., at 11. EXAM GROUP: Spring: 13



Introduction to the Sumerian language with emphasis on grammatical structure.

Note: Expected to be given in 2010–11.

Sumerian 120. Intermediate Sumerian

Catalog Number: 7399

Piotr Steinkeller and assistant

Full course (indivisible). Hours to be arranged.

Prerequisite: Knowledge of basic Sumerian grammar, vocabulary, and cuneiform script.

[Sumerian 141. Sumerian Myths and Epics]

Catalog Number: 9858

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Sumerian 146. Sumerian Religious Literature

Catalog Number: 2605

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Sumerian 149. Sumerian Legal and Economic Texts

Catalog Number: 8820

Piotr Steinkeller

Half course (spring term). Tu., 1–4.

Primarily for Graduates

Sumerian 200r. Readings in Sumerian: Seminar

Catalog Number: 7496

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Graduate Courses of Reading and Research

***Sumerian 300. Sumerian Language and Literature**

Catalog Number: 7912

Piotr Steinkeller 7337 (on leave fall term)

Cross-listed Courses

[Linguistics 225a. Introduction to Hittite]

Arabic

See also Islamic Civilizations.



For Undergraduates and Graduates

Arabic A. Elementary Arabic

Catalog Number: 5773

Mostafa Atamnia and staff

Full course (indivisible). M., through F., at 9, 10, 11, or 12. EXAM GROUP: 2, 11

Introduces students to the phonology and script of classical/modern standard Arabic and covers the basic morphology and syntax of the written language. Emphasis on the development of the four skills (reading, speaking, listening, and writing). Samples of modern (contemporary) and classical styles of writing introduced into basic syllabus, and audio-visual material from the contemporary Arabic media.

Note: Not open to auditors. Cannot be taken pass/fail. Cannot divide for credit. Offered jointly with the Divinity School as 4345.

Arabic Ba (formerly Arabic 120a and 121a). Intermediate Arabic I

Catalog Number: 1106

William E. Granara and staff

Half course (fall term). M. through F., at 10, 11, or 12. EXAM GROUP: 3, 12

A thorough review and continuation of literary (classic and modern) Arabic grammar with emphasis on reading, writing, speaking and listening comprehension. Course materials draw from both classical and modern Arabic literature and culture.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4351.

Prerequisite: Arabic A or equivalent.

Arabic Bb (formerly Arabic 120b and 121b). Intermediate Arabic II

Catalog Number: 0973

Mostafa Atamnia and Feryal Hijazi

Half course (spring term). M., through F., at 10, 11, or 12. EXAM GROUP: 3, 12

A continuation of Arabic Ba.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4361.

Prerequisite: Arabic A or equivalent.

Arabic 130a. Upper-Level Classical Arabic I

Catalog Number: 4591

Khaled El-Rouayheb

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Concentration on readings from classical Islamic texts, with emphasis on Qur'an, *hadîth*, *sîra*, and *tafsîr* literature; directed readings and textual analysis; review of classical Arabic morphology and syntax.

Note: Not open to auditors. Offered jointly with the Divinity School as 4353.

Prerequisite: Arabic 120b or equivalent.

Arabic 130b. Upper-Level Classical Arabic II

Catalog Number: 2964



Khaled El-Rouayheb

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Arabic 130a or may be taken separately with permission of the instructor.

Readings from corpus of "Adab" (Belles-Lettres) literature, as well as various pieces of classical Arabic poetry.

Note: Not open to auditors. Offered jointly with the Divinity School as 4354.

Prerequisite: Arabic 130a or equivalent.

Arabic 131a. Upper-Level Modern Arabic I

Catalog Number: 0739

Sayed Abdallah Ali Elsis

Half course (fall term). M., Tu., W., Th., at 12, and 1. EXAM GROUP: 5, 14

Reading and discussion of selections from Arabic newspapers and journals on contemporary political, social, religious, and cultural issues in the Arab world. Emphasis on developing advanced reading and speaking skills, with some attention to writing and listening comprehension.

Note: Not open to auditors. Offered jointly with the Divinity School as 4363.

Prerequisite: Arabic Ba or equivalent.

Arabic 131b. Upper-Level Modern Arabic II

Catalog Number: 0697

Sayed Abdallah Ali Elsis

Half course (spring term). M., Tu., W., Th., at 12. EXAM GROUP: 5, 14

A continuation of Arabic 131a or may be taken separately with permission of the instructor.

Continued emphasis on advanced reading and speaking skills, and introduction to contemporary Arabic fiction, with emphasis on short stories and essays.

Note: Not open to auditors. Offered jointly with the Divinity School as 4364.

Prerequisite: Arabic 131a or equivalent.

Arabic 133. Upper-Level Spoken Modern Standard Arabic

Catalog Number: 4747

Sayed Abdallah Ali Elsis

Half course (fall term). M., W., 3–5. EXAM GROUP: 8, 9

This course emphasizes the development of advanced speaking and listening skills by exposing students to the contemporary media and academia. Some reading and writing will be required, but classes will revolve around oral presentations and directed conversations.

Note: Not open to auditors.

Prerequisite: Two years of Standard Arabic or the equivalent.

[Arabic 134. Colloquial Levantine Arabic]

Catalog Number: 4154

Khaled Al-Masri

Half course (spring term). M., W., 3–5. EXAM GROUP: 8, 9

Introduces students to Colloquial Levantine Arabic of Lebanon, Syria, Jordan, and Israel/Palestine. The course emphasizes the development of speaking and listening skills through the reinforcement of grammar and vocabulary.



Note: Expected to be given in 2010–11. Not open to auditors. Students who have completed Arabic 135 may not take this course for credit.

Prerequisite: Two years of Standard Arabic or the equivalent.

Arabic 135. Colloquial Egyptian Arabic

Catalog Number: 4454

Sayed Abdallah Ali Elsisi

Half course (spring term). M., W., 3–5. EXAM GROUP: 8, 9

Introduces students to Egyptian Arabic, the most widely recognized dialect in the Arab world. The course emphasizes the development of speaking and listening skills through the reinforcement of grammar and vocabulary.

Note: Not open to auditors. Students who have completed Arabic 134 may not take this course for credit.

Prerequisite: Two years of Standard Arabic or the equivalent.

Arabic 146r. History of the Arabic Languages

Catalog Number: 8526

Wolfhart P. Heinrichs

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A presentation of the linguistic and cultural history of the various forms of Arabic, including Old North Arabian, Early Classical Arabic (pre-Islamic poetry and Koran), medieval Islamic Arabic, Middle Arabic (with Judeo-Arabic) and the dialects.

Prerequisite: Two years of Arabic or equivalent.

[Arabic 150r. History of Classical Arabic Literature: Seminar]

Catalog Number: 7759

Wolfhart P. Heinrichs

Half course (spring term). W., 2–4.

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Expected to be given in 2010–11. Knowledge of Arabic advantageous but not required. An additional hour may be set aside for reading in the originals.

Arabic 158. Modern Arabic Literature Seminar: Lebanese Civil War in Fiction

Catalog Number: 5145

William E. Granara

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examines the roots and issues of the Lebanese Civil War (1975-90) and its enormous impact on modern Arabic fiction. The syllabus pairs realistic and romanticized representations of family, sectarian, and gender binaries against the destruction and fantasy of the urban landscape. Themes include nostalgia and memory, exile and return. Films and documentaries will also be viewed.

Note: Arabic helpful but not required. Open to both undergraduates and graduates. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures or Literature and Arts C, but not both.

[Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers]

Catalog Number: 5617



Roy Mottahedeh

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Arabic 162. Introduction to the Modern Arab World I

Catalog Number: 5643

William E. Granara and members of the Department

Half course (fall term). M., W., at 10, an additional hour to be arranged. EXAM GROUP: 3

A survey of significant events and issues in the modern Arab world from the later years of the Ottoman Empire to the eve of WWI. Topics include the Arab renaissance, the challenges of modernity, reformist movements, colonialism, and the emergence of the modern nation states.

Note: No knowledge of Arabic required, but bilingual sectioning will be provided for students who select to read primary sources either in Arabic or English. Offered jointly with the Divinity School as 3623.

Arabic 170. Introduction to the Arab World II: Politics, Religion, and Culture from World War I to Present

Catalog Number: 9471

William E. Granara and members of the Department

Half course (spring term). M., W., at 10, and an additional hour to be arranged. EXAM GROUP: 3

The course examines the major intellectual, political and sociocultural trends in the Arab world, from the anti-colonial struggle to self-determination. Topics include Arab nationalism, political reform, cultural production, economic development, and the emergence of the Arabian Gulf.

Note: Bi-lingual sectioning will be provided for students who select to read primary sources either in Arabic or English. Offered jointly with the Divinity School as 3626. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A..

Primarily for Graduates

[Arabic 231a. Qur'an I: Seminar]

Catalog Number: 8707 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (fall term). M., 2–5.

An introduction to the text of the Quran and the historical development of Quranic exegesis, through a reading of tafsir and *'ulum al-quran* works.

Note: Expected to be given in 2010–11. Not open to auditors. Offered jointly with the Divinity School as 3976.

Prerequisite: Advanced proficiency in Arabic.

[Arabic 231b. Qur'an II: Seminar]

Catalog Number: 0619 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (spring term). M., 2–5.

Continuation of Arabic 231a.

Note: Expected to be given in 2010–11. Not open to auditors. Offered jointly with the Divinity



School as 3977.

Prerequisite: Arabic 231a and advanced proficiency in Arabic.

Arabic 240r. Classical Arabic Philology

Catalog Number: 5920

Wolfhart P. Heinrichs

Full course (indivisible). Tu., 2–4. EXAM GROUP: 16, 17

Arabic philology, including discussion of difficult grammatical problems, introduction to manuscript and editorial work, and readings from the *‘ulûm al-lugha* (fall) and *‘ulûm al-dîn* (spring).

Note: This constitutes the fourth and final year of the Classical Arabic track.

Arabic 241ar. Advanced Modern Arabic Bridge: Language, Literature, and Culture I

Catalog Number: 3309

Khaled Al-Masri

Half course (fall term). Tu., Th., 11:30-1, and an additional hour to be arranged. EXAM GROUP: 13, 14

This constitutes the final year of Modern Arabic track. Representative readings from contemporary literature and culture will form bases of discussions on major themes in contemporary Arab society.

Note: Conducted in Arabic. Not open to auditors.

Prerequisite: Advanced proficiency in Arabic.

Arabic 241br. Advanced Modern Arabic Bridge: Language, Literature, and Culture II

Catalog Number: 6399

Khaled Al-Masri

Half course (spring term). Tu., Th., 11:30-1, and an additional hour to be arranged. EXAM GROUP: 13, 14

A continuation of Arabic 241ar.

Note: Conducted in Arabic. Not open to auditors.

Arabic 245r. Classical Arabic Literature: Seminar

Catalog Number: 4854

Wolfhart P. Heinrichs

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Topic for 2009-10: Fiction in Classical Arabic Literature

Prerequisite: Reading knowledge of Arabic.

[Arabic 246r. Andalus, Sicily, and the Maghrib in Literary and Cultural Texts: Seminar]

Catalog Number: 6196

William E. Granara

Half course (spring term). Hours to be arranged.

Literary and historical texts of the Arabo-Islamic cultures of Spain (*al-Andalus*), Sicily, and North Africa. Examines the emergence of a "Maghribi" identity amidst cross-cultural relations with the Christian North and the Muslim East.



Note: Expected to be given in 2010–11.

Prerequisite: Three years of Arabic, or permission from the instructor.

[Arabic 248r. Medieval Arabic Writings on Literary Theory and Criticism: Seminar]

Catalog Number: 1440

Wolfhart P. Heinrichs

Half course (fall term). W., 2–4.

Introduction to the study of the medieval Arabic disciplines dealing with literature. Discussion of selected topics on the basis of text readings and recent secondary literature.

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of Arabic.

Arabic 249r. Arabic Philosophical Texts: Seminar

Catalog Number: 3572

Khaled El-Rouayheb

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to Arabic Logic.

Prerequisite: Three years of Arabic or equivalent.

[Arabic 250r. Arabic Theological Texts: Seminar]

Catalog Number: 7849

Khaled El-Rouayheb

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Imitation and Verification in Ash'ari Theology.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3883.

Prerequisite: Three years of Arabic or equivalent.

Cross-listed Courses

[Comparative Literature 263. Journey, Exile, and Displacement in Modern Arabic Literature]

[Foreign Cultures 82. Modern Arabic Narratives: Self, Society, and Culture]

Graduate Courses of Reading and Research

***Arabic 300. Reading and Research in Arabic Language and Civilization**

Catalog Number: 7828

M. Shahab Ahmed 5273 (on leave fall term), Khaled El-Rouayheb 5536, William A. Graham, Jr. 4156, William E. Granara 1054 (on leave spring term), Wolfhart P. Heinrichs 4988, Baber Johansen (Divinity School) 5295, and Roy Mottahedeh 1454

***Arabic 320. Reading and Research in Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054 (on leave spring term)

Aramaic



For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

Aramaic C. Introduction to Syriac

Catalog Number: 3494

Wolfhart P. Heinrichs and member of the Department

Full course (indivisible). Fall: Tu., Th., 8:30–10. EXAM GROUP: Fall: 99

Basic Syriac grammar and syntax, with selected readings from the Syriac Bible and other early texts.

Note: Expected to be omitted in 2010–11. Offered jointly with the Divinity School as 4109.

Aramaic 128. Introduction to Turoyo

Catalog Number: 3747

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

Turoyo is the Neo-Aramaic (originally, and to some extent still) spoken in the Tur Abdin area of Mardin province, SE Turkey, as well as in the Western diaspora (predominantly in Sweden, Germany, the Netherlands, and the US).

Prerequisite: Some knowledge of Syriac or any other classical Aramaic language.

Graduate Courses of Reading and Research

***Aramaic 300. Aramaic Language and Literature**

Catalog Number: 5758

Shaye J.D. Cohen 4180 and Wolfhart P. Heinrichs 4988 (fall term only)

Armenian

See also Armenian Studies.

For Undergraduates and Graduates

Armenian A. Elementary Classical Armenian

Catalog Number: 5476

James R. Russell

Half course (spring term). Hours to be arranged.

Introduction to classical Armenian grammar and reading of selected texts.

Armenian B. Elementary Modern Eastern Armenian

Catalog Number: 7168

James R. Russell

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

Introduction to the spoken and literary language of the Republic of Armenia.



Armenian 120. Armenian Magical Texts

Catalog Number: 7221

James R. Russell

Half course (spring term). Th., 3–6. EXAM GROUP: 17, 18

Armenian magical texts include codices, scrolls, and separately-printed saints' lives used for good or ill, containing magic squares and symbols, the latter mostly deriving from Islamic magic. The course will consider literary sources of magic texts (e.g., the prayer Havatov khostovanim, the meditations of Narek), parallel traditions (esp. Christian Ethiopia), and the consideration of the paintings in Armenian magical manuscripts from the standpoint of the genre of Outsider Art.

[Armenian 130. Advanced Classical Armenian]

Catalog Number: 4926

James R. Russell

Full course. W., 5:30–7:30 p.m.

The text of St. Grigor Narekats'i *Matean olbergut'ean*, with other mystical texts from Armenian and Eastern Christian traditions.

Note: Expected to be given in 2010–11.

Prerequisite: Armenian A.

Primarily for Graduates

Graduate Courses of Reading and Research

***Armenian 300. Armenian Language and Literature**

Catalog Number: 0240

James R. Russell 3411 (on leave fall term)

Ethiopic

Graduate Courses of Reading and Research

Hebrew

See also Ancient Near Eastern and Biblical Studies and Jewish Studies.

For Undergraduates and Graduates

[Hebrew 130. Scriptural Interpretation in Ancient Israel: Inner-Biblical Exegesis] - (New Course)

Catalog Number: 53182

Andrew Teeter (Divinity School)

Half course (fall term). Th., 1–3.

An examination of the forms, methods, and aims of scriptural interpretation within the Hebrew Bible itself. Sessions will combine consideration of recent scholarship on "inner-biblical



exegesis" with close readings of biblical texts (narrative, legal, prophetic, apocalyptic, hymnic) in Hebrew. Note: Two years of Biblical Hebrew strongly recommended.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1308. Two years of Biblical Hebrew strongly recommended.

Hebrew 140. The Poetics of Midrash: Approaches to Rabbinic Hermeneutics - (New Course)

Catalog Number: 84646

Jonathan Schofer (Divinity School)

Half course (fall term). Tu., 1–3.

This seminar examines the forms and contents of late ancient rabbinic midrash or biblical interpretation, addressing both legal and non-legal forms. Each session will include consideration of both primary sources and recent scholarship. The course will center on studies of midrash as a form of literature by Boyarin, Fishbane, Fraade, Kugel, Stern, and Yadin.

Note: Offered jointly with the Divinity School.

Prerequisite: Two years of Hebrew, any period, is strongly recommended

Hebrew 143. Deuteronomy - (New Course)

Catalog Number: 68289

Andrew Teeter (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 99

A critical and exegetical study of Deuteronomy, carried out through a close reading of the book in Hebrew. Special attention given to the literary form, hermeneutic aims, and theological profile of the work, considered in relation to other scriptural and non-scriptural traditions.

Note: Offered jointly with the Divinity School as 1306.

Prerequisite: Biblical Hebrew

[Hebrew 176. Aristotle's Ethics in Medieval Jewish Thought]

Catalog Number: 4571

Bernard Septimus

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Prerequisite: A reading knowledge of Hebrew

Hebrew 177. Introduction to Critical Talmud Scholarship

Catalog Number: 6485

Bernard Septimus

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Designed to introduce students to the philological, historical and source-critical methods used in the contemporary academic study of Talmud and Midrash, through the study of selected passages.

Prerequisite: Ability to prepare a Talmudic text.

Cross-listed courses

Primarily for Graduates



Hebrew 209r. Literature of Israel: Seminar

Catalog Number: 1326

Peter Machinist

Half course (spring term). W., 3–5.

Topic will focus on Biblical historiography with selections from the Books of Kings and Chronicles.

Note: Offered jointly with the Divinity School as 1824.

Prerequisite: Good reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

Language Courses

For Undergraduates and Graduates

Classical Hebrew A. Elementary Classical Hebrew

Catalog Number: 8125

Peter Machinist

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

A thorough and rigorous introduction to biblical Hebrew, with emphasis on grammar in the first term, and translation of biblical prose in the second. Daily preparation and active class participation mandatory.

Note: Offered jointly with the Divinity School as 4010.

Classical Hebrew 120a. Intermediate Classical Hebrew I

Catalog Number: 5545

Peter Machinist and members of the Department

Half course (fall term). M., W., F., at 10. EXAM GROUP: 99

Readings in prose books; review of grammar.

Note: Offered jointly with the Divinity School as 4020.

Prerequisite: Classical Hebrew A or equivalent.

Classical Hebrew 120b. Intermediate Classical Hebrew II

Catalog Number: 8494

Peter Machinist and members of the Department

Half course (spring term). M., W., F., at 10. EXAM GROUP: 99

Readings in prose and poetic books; review of grammar.

Note: Offered jointly with the Divinity School as 4021.

Prerequisite: Classical Hebrew 120a or equivalent.

Classical Hebrew 130ar. Rapid Reading Classical Hebrew I

Catalog Number: 7895

Jon D. Levenson (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Note: Offered jointly with the Divinity School as 1625/4030.

Prerequisite: Classical Hebrew A, 120a, and 120b, or equivalent.



Classical Hebrew 130br. Rapid Reading Classical Hebrew II

Catalog Number: 7896

Jon D. Levenson (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 99

Note: Offered jointly with the Divinity School as 1626/4031.

Prerequisite: Classical Hebrew 130a or equivalent.

[Classical Hebrew 138. Historical Grammar of Biblical Hebrew]

Catalog Number: 4415

Instructor to be determined

Half course (fall term). Tu., Th., at 11.

Note: Expected to be given in 2010–11.

Prerequisite: Classical Hebrew 130, or equivalent.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Irit Aharony

Full course (indivisible). M. through F., at 10. EXAM GROUP: 3, 12

For students with no previous instruction in Hebrew and for those who have had some unsystematic exposure to the language. The course emphasizes the development of all skills necessary for reading, speaking, comprehension and writing, and offers students a glimpse of Israeli culture.

Note: Offered jointly with the Divinity School as 4015.

Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Irit Aharony

Half course (fall term). M. through F., at 11. EXAM GROUP: 4, 13

Continuation and development of Modern Hebrew B. Reading materials include literary texts, newspapers and on line publications. The course also offers an exposure to various facets of Israeli high and popular culture.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4040.

Prerequisite: Modern Hebrew B or passing of special departmental placement test.

Modern Hebrew 120b. Intermediate Modern Hebrew II

Catalog Number: 2563

Irit Aharony

Half course (spring term). M. through F., at 11. EXAM GROUP: 4, 13

Continuation of Modern Hebrew 120a.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4041.

Prerequisite: Modern Hebrew 120a.

Modern Hebrew 125. Advanced Modern Hebrew I: "All About Boys and Girls"

Catalog Number: 4985

Anna Grinfeld

Half course (fall term). M., W., 1:10-2:40. EXAM GROUP: 6, 7



Continuation of Intermediate Modern Hebrew 120a and 120b. The course goal is to further develop practical skills in the language. The course will explore various topics in Israeli society and culture through a variety of texts and audio visual materials.

Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4042.

Prerequisite: Modern Hebrew 120a, 120b, or equivalent.

Modern Hebrew 126. Advanced Modern Hebrew - (New Course)

Catalog Number: 28788

Irit Aharony

Half course (spring term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

This course aims at further developing aural and reading comprehension of Modern Hebrew, as well as speaking and writing skills in the language. We will study a variety of texts, watch movies, and examine the multifaceted of Israeli contemporary Hebrew including slang.

Modern Hebrew 130r. Advanced Seminar in Modern Hebrew

Catalog Number: 8127

Irit Aharony

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A deep survey of foundational elements in Israeli culture: texts, movies, songs and other media. The goal of the course is to both enhance the student's proficiency in the language and their knowledge of the culture of the land.

Note: Discussion, papers, and texts presented in Hebrew.

Prerequisite: Modern Hebrew 125 or equivalent.

Modern Hebrew 136ar (formerly Modern Hebrew 136r). Hebrew for Academic Reading

Catalog Number: 3383

Anna Grinfeld

Half course (fall term). Tu., Th., 3–4:30. EXAM GROUP: 17, 18

Hebrew for academic reading is designed for advanced undergraduate and graduate students with a strong background knowledge of Hebrew, seeking to master reading skills in a range of Hebrew texts in the fields of Jewish studies, Middle Eastern studies, government, literature, religion, and history. Some selections of the reading material will be decided by the individual needs and interests of the students.

Note: Conducted in Hebrew.

[Modern Hebrew 136br (formerly Modern Hebrew 136r). Hebrew for Academic Reading]

Catalog Number: 3114

Anna Grinfeld

Half course (spring term). Hours to be arranged.

Hebrew for academic reading is designed for advanced undergraduate and graduate students with a strong background knowledge of Hebrew, seeking to master reading skills in a range of Hebrew texts in the fields of Jewish studies, Middle Eastern studies, government, literature, religion, and history. Some selections of the reading material will be decided by the individual needs and interests of the students.

Note: Expected to be given in 2010–11. Conducted in Hebrew.



Literature and History Courses

For Undergraduates and Graduates

[Hebrew 150a. Introduction to Rabbinic Literature]

Catalog Number: 7629

Bernard Septimus

Half course (spring term). Hours to be arranged.

Designed to introduce students with a basic reading knowledge of Hebrew to Mishnah, Tosefta, Midrash, and Talmud through a close study of representative texts in the original. Texts are mostly non-legal and in Hebrew (rather than Aramaic). Attention to questions of language, exegetical method, literary, and intellectual history.

Note: Expected to be given in 2010–11.

Prerequisite: Intermediate biblical or modern Hebrew, or permission of instructor.

[Hebrew 160. The Origins and Development of the Classical Jewish Liturgy]

Catalog Number: 9703

Bernard Septimus

Half course (fall term). M., 1–3.

An examination of current scholarship and controversy on the origins of the classical liturgy and a consideration of the primary-source evidence. Related topics include: rabbinic liturgy and Second Temple sources, differences between the ancient Palestinian and Babylonian rites, the standard prayers and the origins of liturgical poetry (*piyyut*), the crystallization of the liturgy, and the emergence of local variations in the early Middle Ages.

Note: Expected to be given in 2010–11.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

Catalog Number: 7205

Bernard Septimus

Half course (spring term). Tu., 1–3.

The status and significance of language generally and Hebrew, in particular, viewed from a variety of perspectives in texts from several genres (exegetical, linguistic, literary, legal, philosophical and mystical) ranging chronologically from late antiquity through the Renaissance.

Note: Expected to be given in 2010–11.

Prerequisite: A good reading knowledge of Hebrew.

Cross-listed Courses

Primarily for Graduates

[Hebrew 148 (formerly Hebrew 240). Rabbinic Stories and Rabbinic Thought: Seminar]

Catalog Number: 4201

Jonathan Schofer (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines classical rabbinic narratives, including sage stories, accounts of biblical figures, and



parables. Key themes include ethics, theology, and community. Strong consideration will be given to exegetical dynamics and legal issues.

Note: Expected to be given in 2011–12. Readings are in Hebrew. Offered jointly with the Divinity School as 3795.

Prerequisite: Two years of Biblical Hebrew or three years of modern Hebrew or the permission of the instructor.

***Hebrew 200r. Problems in the Literature, History, and Religion of Israel: Seminar**

Catalog Number: 3265

Peter Machinist, Richard J. Saley, Andrew Teeter (Divinity School) and members of the Department

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2009-10: The Pentateuch in biblical scholarship.

Note: Primarily for doctoral students in Hebrew Bible. Offered jointly with the Divinity School as 1810.

[Hebrew 208r. Literature of Israel: Seminar]

Catalog Number: 1356

Peter Machinist

Half course (fall term). Hours to be arranged.

Topic for 2010-11: TBA.

Note: Expected to be given in 2010–11. Jointly offered with the Divinity School as 1825.

Prerequisite: Advanced reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar

Catalog Number: 5883

Jon D. Levenson (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 99

An introduction to the use of medieval Jewish biblical commentaries as a resource for modern exegetes. Some comparison of the medieval hermeneutical presuppositions with those of the distinctively modern forms of biblical study.

Note: Offered jointly with the Divinity School as 1836.

Prerequisite: Three years of college-level Hebrew (any period).

Hebrew 218. Joseph and Esther: Seminar

Catalog Number: 0880

Jon D. Levenson (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 99

A close critical reading of Genesis 37-50 and the Book of Esther in Hebrew. Emphasis on literary design and religious messages and on the influence of the story of Joseph upon the Book of Esther.

Note: Offered jointly with the Divinity School as 1802.

Prerequisite: Three years of Hebrew or the equivalent.



[Hebrew 235. The Binding of Isaac (*Aqedah*): Seminar]

Catalog Number: 0170

Jon D. Levenson (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An examination of Genesis 22 and its afterlife in ancient Judaism, early Christianity, and the Qur'an. Ample consideration of the interpretation and expansion of the story in modern theology and of critical responses to it.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1808.

Prerequisite: Three years of Hebrew or the equivalent.

[Hebrew 236. Song at the Sea: Seminar]

Catalog Number: 6496

Jon D. Levenson (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A close reading of Exod 13:17-15:21 in two contexts, that of the Hebrew Bible (together with its ancient Near Eastern background) and that of rabbinic Judaism. Ample Hebrew readings in rabbinic midrash.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1816.

Prerequisite: An introductory course in the critical study of the Hebrew Bible and a solid command of Hebrew grammar (any period).

Graduate Courses of Reading and Research

***Hebrew 300. Classical Hebrew Language and Literature**

Catalog Number: 7831

Shaye J.D. Cohen 4180, Peter Machinist 2812, and Lawrence E. Stager 1468

***Hebrew 350. Postbiblical Hebrew Language and Literature**

Catalog Number: 4408

Shaye J.D. Cohen 4180, Jay M. Harris 2266, and Bernard Septimus 7160 (on leave fall term)

Iranian

See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; and below under Persian.

For Undergraduates and Graduates

[Iranian A. Old Persian]

Catalog Number: 5457

P. Oktor Skjaervo

Full course (indivisible). Hours to be arranged.

Introduction to Old Persian.

Note: Expected to be given in 2010–11.



Iranian B. Introduction to Avestan

Catalog Number: 3936

P. Oktor Skjaervo

Full course (indivisible). W., 3–5. EXAM GROUP: 8, 9

[Iranian Ca. Middle Persian I]

Catalog Number: 0978

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged.

Introduction to Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Note: Expected to be given in 2010–11.

[Iranian Cbr. Middle Persian II]

Catalog Number: 1696

P. Oktor Skjaervo

Half course (spring term). M., 3–5.

Readings in Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Note: Expected to be given in 2010–11.

Iranian 144a. Eastern Middle Iranian I: Introduction to Khotanese - (New Course)

Catalog Number: 30546

P. Oktor Skjaervo

Full course (indivisible). Spring: Th., 1–3. EXAM GROUP: Spring: 15, 16

Introduction to Khotanese based on the 8th-century private documents (letters, economic, and legal documents).

Cross-listed Courses

Linguistics 221r. Workshop in Indo-European

Primarily for Graduates

Graduate Courses of Reading and Research

***Iranian 300. Reading and Research in Iranian Languages and Literatures**

Catalog Number: 8155

P. Oktor Skjaervo 2869

Persian

See also above under Near Eastern Civilizations; Early Iranian Civilizations; Islamic Civilizations; Iranian.

For Undergraduates and Graduates



Persian A. Elementary Persian

Catalog Number: 8143

Dalia Yasharpour

Full course (indivisible). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Introduction to the grammar of modern literary and spoken Persian. Selected readings from contemporary and classical Persian literature.

Persian 120a. Intermediate Persian I

Catalog Number: 2206

Dalia Yasharpour

Half course (fall term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Readings in modern prose literature. Introduction to classical metrics and prosody. Readings in classical prose and poetry.

Persian 120b. Intermediate Persian II

Catalog Number: 3712

Dalia Yasharpour

Half course (spring term). M., W., F., at 11, and two additional hours to be arranged. EXAM GROUP: 4

Continuation of Persian 120a.

Persian 130hf. Advanced Middle Persian: Pahlavi - (New Course)

Catalog Number: 19345

P. Oktor Skjaervo (spring term) and Yuhan Vevaina (fall term)

Half course (throughout the year). Hours to be arranged.

Persian 131r. Advanced Persian

Catalog Number: 0258

Dalia Yasharpour

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Readings from modern Persian prose and poetry and discussion of Iranian movies and documentaries inspired by them.

Prerequisite: Persian 120b or equivalent.

[Persian 132r. Advanced Persian]

Catalog Number: 0814

Dalia Yasharpour

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

Introduces students to styles and genres of Classic Persian literary heritage, including a systematic review of classical grammar. Readings include historiographical, geographical and biographical texts, as well as readings from "Adab" (Belles-Lettres) literature.

Note: Expected to be given in 2010–11.

Prerequisite: Persian 120b or equivalent.



Persian 150r. Readings in Persian Historians, Geographers and Biographers

Catalog Number: 6538

Roy Mottahedeh

Half course (fall term). Hours to be arranged.

Primarily for Graduates

Cross-listed Courses

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

Roy Mottahedeh 1454

Semitic Philology

For Undergraduates and Graduates

[Semitic Philology 152. Introduction to Ugaritic]

Catalog Number: 2777

Instructor to be determined

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

Note: Expected to be given in 2010–11.

Prerequisite: Semitic Philology 140 or equivalent.

Primarily for Graduates

[Semitic Philology 200r. Comparative Semitic Grammar: Seminar]

Catalog Number: 0168

Instructor to be determined

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Topic for 2008-09: The Ancient North and South Arabian languages

Note: Expected to be given in 2010–11.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140 or equivalent.

[Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar]

Catalog Number: 2948

Instructor to be determined

Half course (spring term). Tu., 2–4.

Topic for 2009-2010: Punic child sacrifice texts.

Note: Expected to be given in 2010–11.

Prerequisite: Semitic Philology 151.



Cross-listed Courses

[Linguistics 221r. Workshop in Indo-European](#)

Graduate Courses of Reading and Research

***Semitic Philology 300. Semitic and Afroasiatic Languages and Literatures**

Catalog Number: 2762

Wolfhart P. Heinrichs 4988

Turkish

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates

[Turkish A. Elementary Modern Turkish]

Catalog Number: 2527

Himmet Taskomur

Full course (indivisible). Hours to be arranged.

Emphasis on all aspects of Turkish grammar toward developing a solid foundation for speaking, listening, reading, writing, and vocabulary skills.

Note: Expected to be given in 2010–11. Not open to auditors.

[Turkish 120a. Intermediate Modern Turkish I](#)

Catalog Number: 4009

Himmet Taskomur

Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

Emphasis on complex sentence structure and building communicative competence in describing events and expressing ideas through exercises in reading, writing, and speaking.

Note: Expected to be omitted in 2010–11. Not open to auditors.

Prerequisite: Turkish A or equivalent.

[Turkish 120b. Intermediate Modern Turkish II](#)

Catalog Number: 1394

Himmet Taskomur

Half course (spring term). M. through F., at 10. EXAM GROUP: 3, 12

Studies in argumentative and literary prose.

Note: Expected to be omitted in 2010–11. Not open to auditors.

Prerequisite: Turkish 120a or equivalent.

[Turkish 121a. Elementary Uzbek](#)

Catalog Number: 3006

William E. Granara and assistant

Half course (fall term). Hours to be arranged; four meetings per week.



Introduction to conversational and literary Uzbek. Overview of the grammar, intensive practice of the spoken language, and reading of contemporary texts.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 121b. Elementary Uzbek II

Catalog Number: 7303

William E. Granara and assistant

Half course (spring term). Hours to be arranged; four meetings per week. EXAM GROUP: 2

Continuation of Turkish 121a.

Note: Some knowledge of Modern Turkish or other Turkic language helpful but not required.

Turkish 125a. Intermediate Uzbek I

Catalog Number: 2947

William E. Granara and assistant

Half course (fall term). Hours to be arranged.

Continuation of Elementary Uzbek with an emphasis on further development of both conversational and literary Uzbek.

Prerequisite: Turkish 121b or equivalent.

Turkish 125b. Intermediate Uzbek II

Catalog Number: 0125

William E. Granara and assistant

Half course (spring term). M., 2–4, Th., 4–6.

A continuation of Turkish 125a.

Prerequisite: Turkish 125a or equivalent.

[Turkish 140a. Introduction to Ottoman Turkish I]

Catalog Number: 8163

Himmet Taskomur

Half course (fall term). Hours to be arranged.

Introduction to basic orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries, and exercises on techniques.

Note: Expected to be given in 2010–11. Not open to auditors.

Prerequisite: Turkish A or equivalent; one year of Arabic or Persian desirable.

[Turkish 140b. Introduction to Ottoman Turkish II]

Catalog Number: 8298

Himmet Taskomur

Half course (spring term). Hours to be arranged.

Continuation of Turkish 140a. Exercises on specialized orthographic conventions and grammatical characteristics of Ottoman Turkish through readings in printed selections from the 19th and 20th centuries.

Note: Expected to be given in 2010–11. Not open to auditors.

Prerequisite: Turkish 140a or equivalent.



Turkish 150a. Advanced Ottoman Turkish - (New Course)

Catalog Number: 91716

Himmet Taskomur

Half course (fall term). F., 2–4:30, Tu., 4–6. EXAM GROUP: 7, 8, 9, 18

Note: Not open to auditors.

Prerequisite: Turkish 140 or equivalent; one year of Arabic or Persian desirable.

Turkish 150b. Advanced Ottoman Turkish - (New Course)

Catalog Number: 40194

Himmet Taskomur

Half course (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Turkish 140 or equivalent; one year of Arabic or Persian desirable.

Turkish 160r. History of Modern Turkey through Literature

Catalog Number: 6964

Himmet Taskomur

Half course (spring term). M., W., at 12, and an additional hour to be arranged. EXAM GROUP: 5

This course surveys the history of modern Turkey and culture through Turkish literature in translation. Main focus is on topics of cultural revolution, nationalism, identity, gender, and migration. Primary readings are translations of novels, short stories, drama and poetry.

Note: Knowledge of Turkish not required. Not open to auditors.

Primarily for Graduates

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

Cemal Kafadar 2459 and F. Engin Sezer 2833

Yiddish

See also above under Near Eastern Civilizations: Jewish Studies.

For Undergraduates and Graduates

Yiddish A. Elementary Yiddish

Catalog Number: 4623

Yuri Vedenyapin

Full course (indivisible). M., W., (F.), at 10. EXAM GROUP: 3

Introduction to the Yiddish language, as written and spoken in Eastern Europe, the Americas, Israel, and around the world, and to the culture of Ashkenazic Jews. Development of reading, writing, speaking, and oral comprehension skills. Course materials include rich selections from



Jewish humor, Yiddish songs, and films of Jewish life past and present.

Note: For students with little or no knowledge of Yiddish. Additional sections at different times may be added as needed.

Yiddish Ba. Intermediate Yiddish I

Catalog Number: 6023

Yuri Vedenyapin

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Further development of reading, writing, speaking, and oral comprehension skills. Introduction to features of the main Yiddish dialects: Polish/Galician, Ukrainian/Volhynian, and Lithuanian/Belorussian. Course materials include selections from modern Yiddish fiction, poetry, songs, the press, and private letters, as well as pre-WWII and contemporary Yiddish films. Occasional visits from native Yiddish speakers.

Note: Additional sections at different times may be added as needed.

Prerequisite: Yiddish A or equivalent.

Yiddish Bb. Intermediate Yiddish II

Catalog Number: 1239

Yuri Vedenyapin

Half course (spring term). M., at 11, W., at 12. EXAM GROUP: 4, 5

Continuation of Yiddish Ba.

Prerequisite: Yiddish Ba or permission of the instructor.

Yiddish Ca. Advanced Yiddish I

Catalog Number: 8331

Yuri Vedenyapin

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Emphasis on building advanced vocabulary from the three main lexical components, Germanic, Hebrew-Aramaic, and Slavic, and further development of writing, reading, and speech. Continued exploration of the main Yiddish dialects. Introduction to various styles of Yiddish literature, journalism, theater, film, and song, particularly from the nineteenth century to the present, including contemporary sources from both secular Yiddish culture and the Yiddish-speaking "ultra-orthodox" communities of New York, Jerusalem, and elsewhere.

Note: Additional sections at different times may be added as needed.

Prerequisite: Yiddish Bb or permission of the instructor.

Yiddish Cb. Advanced Yiddish II

Catalog Number: 8968

Yuri Vedenyapin

Half course (spring term). W., at 9, M., 1–2:30. EXAM GROUP: 2, 6, 7

Continuation of Yiddish Ca.

Prerequisite: Yiddish Ca or permission of the instructor.

[Yiddish 108. America! America! : The Contradictions of American Jewish Culture]

Catalog Number: 6058

Ruth R. Wisse



Half course (spring term). Tu., 2–4.

The mass migration that propelled millions of European Jews to the United States between 1881 and 1914 generated a renaissance in Jewish and American literatures. Yiddish was spoken at the time by more Jews than had ever simultaneously spoken any common Jewish language, and when they came in huge numbers to "the golden land," the Lower East Side of New York became a great creative outpost. Newfound freedoms of America inspired new directions in Yiddish literature, poetry, journalism, education, theater and film. Yet those same freedoms also prompted wholesale adoption of English among the second generation. Two parallel streams of culture—including a third in Hebrew—arose within the American Jewish community. Studying this linguistic interaction will help identify its social, political, cultural, and aesthetic tribulations and achievements.

Note: Expected to be given in 2010–11. Course assumes no knowledge of Yiddish. Readings will be in English. There will be an extra section for Yiddish readers.

[Yiddish 110. Yiddish Drama on Stage and Screen]

Catalog Number: 5353

Ruth R. Wisse

Half course (spring term). Th., 2–4.

Explores the development of Yiddish drama from the mid- 19th century to the present. Features major plays from the repertoire, stage and screen adaptations, theatrical innovations; competing aesthetic, political, and cultural trends. New translations make it possible to offer this course in English.

Note: Expected to be given in 2010–11. An extra section will be added for students who can read works in the original Yiddish.

[Yiddish 120. Modern Yiddish Classics: Seminar]

Catalog Number: 6574

Ruth R. Wisse

Half course (fall term). Th., 3–5.

Late as compared with other European literatures, Yiddish was jump started in the last quarter of the 19th century by Mendele Mocher Sforim, Sholem Aleichem, and I.L. Peretz. This course examines the writings and cultural influence of these Masters, their shifting critical reception, modern perspectives on their work, adaptations and desiderata.

Note: Expected to be given in 2010–11. All readings in English translation. Additional section for Yiddish readers

Primarily for Graduates

Yiddish 200r. Modern Yiddish Literature: Seminar

Catalog Number: 4263

Ruth R. Wisse

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Note: See Jewish Studies 105 and 109.

Prerequisite: Reading knowledge of Yiddish required.

Graduate Courses of Reading and Research



***Yiddish 300. Yiddish Language and Literature**

Catalog Number: 7833

Ruth R. Wisse 3177

Neurobiology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Neurobiology

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*), Professor of Ophthalmology (*Medical School*) (*Chair, Head Tutor*)

Randy L. Buckner, Professor of Psychology and of Neuroscience

Florian Engert, Professor of Molecular and Cellular Biology

Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*), Professor of Neurology (*Medical School*)

Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)

Samuel M. Kunes, Professor of Molecular and Cellular Biology

Carole Landisman, Assistant Professor of Neurology (*Medical School*)

Jeff W. Lichtman, Professor of Molecular and Cellular Biology

Eng H. Lo, Professor of Radiology (*Medical School*)

Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology

Venkatesh N. Murthy, Professor of Molecular and Cellular Biology

Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera

Aravinthan D. T. Samuel, Associate Professor of Physics

Joshua R. Sanes, Professor of Molecular and Cellular Biology

Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology (*on leave fall term*)

Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology

Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Neurobiology

Jeffrey Michael Ellenbogen, Instructor in Neurology (*Medical School*)

Steven E. Hyman, Professor of Neurobiology (*Medical School*) and Provost of Harvard University

James J. Quattrochi, Lecturer on Molecular and Cellular Biology

Tammy A. Weissman, Lecturer on Molecular and Cellular Biology

The Neurobiology concentration is overseen by a Standing Committee, which includes



representatives from several departments of the Faculty of Arts and Sciences and from other schools as appropriate to ensure the requisite breadth of the program. The concentration is designed to investigate how nervous systems organize behavior. It explores phenomena on vastly different scales, from molecules to societies, and draws on many of the classical disciplines for experimental tools and explanatory frameworks. Neurobiology encompasses the study of individual nerve cells, connections and circuitry among neurons, and the function of the brain. For more information about Neurobiology courses and the Life Sciences concentrations, visit www.lifescience.fas.harvard.edu.

For graduate-level courses in neurobiology, please consult the Medical Sciences chapter.

Primarily for Undergraduates

The Neurobiology 95hf Program is taught by MCB, OEB, and Medical School faculty. Ordinarily the tutorials are half courses spread throughout the year and cannot be divided or combined for credit. Neurobiology tutorials are considered advanced neurobiology courses. Ordinarily, only one tutorial course may be counted toward the secondary field.

Students should feel free to contact the tutorial instructors directly. Their names, phone numbers, and e-mail addresses, as well as tutorial seminar course descriptions, are posted on the Life Sciences website under the concentration course listings at www.lifescience.fas.harvard.edu. Please consult the Neurobiology website for dates and times of first meetings.

Tutorials

[*Neurobiology 95hfd \(formerly *Biology 95hfd\). Problem Solving in Neuroscience: An Interactive Case-Based Online Network \(ICON\)](#)

Catalog Number: 3437

James J. Quattrochi

Half course (throughout the year). Th., 6:30–8 p.m. EXAM GROUP: 18

ICON facilitates decision making, hypothesis thinking, team cooperation, and student-faculty partnerships in neuroscience. Cases are "live" in real time using web-based modules that permit students to see the consequences of their decisions and to communicate in dialogue with case patients to achieve the best possible outcome. We collaborate in cases with students at Universitat Witten/Herdecke in Germany. ICON yields an additional advantage, linking theory with practice and an interdisciplinary competency in the life sciences.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

[*Neurobiology 95hfe. Synaptic Plasticity: How the Brain Learns, Remembers and Adjusts to Its Environment](#)

Catalog Number: 0277

Carole Landisman (Medical School)

Half course (throughout the year). M., 4–5:30. EXAM GROUP: 9



Come explore how individual neurons store information and change their synaptic strength. We will investigate the mechanisms of short- and long-term plasticity, starting with the early discoveries of long-term potentiation (LTP) and long-term depression (LTD) through recent discoveries of the effects of endocannabinoids on short-term plasticity. Learn how synaptic plasticity plays a role in everything from perception to memory, in brain regions from the retina to the hippocampus.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

[*Neurobiology 95hff. From Baseball to Beethoven: Cerebellar Integration, Motor Learning and Behavior]

Catalog Number: 3038

Tamily A. Weissman

Half course (throughout the year). Hours to be arranged.

Have you ever wondered how your brain controls complex behaviors such as playing an instrument, throwing a baseball, or learning to dance? This course will cover current theories on how a brain region called the cerebellum integrates neural information to control motor coordination and learning, as well as aspects of cognition, emotion, and even our perception of music. We will also cover cerebellar development and new research into potential treatments for disease.

Note: Expected to be given in 2010–11.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

[*Neurobiology 95hfg. More than Glue: Glial Cells in Health and Neurological Disease]

Catalog Number: 3370

Tamily A. Weissman and members of the Department

Half course (throughout the year). Hours to be arranged.

Glial cells (astrocytes, oligodendrocytes, and microglia) play an active role in both the normal physiology of the brain and the pathogenesis of many degenerative disorders. They modulate synaptic transmission, monitor brain "health", and secrete molecules that affect a variety of brain functions. This class will be an in-depth exploration into the normal function of glial cells and how their dysfunction can contribute to a variety of neurological disorders: MS, ALS, gliomas, regeneration, Alzheimer's disease, etc.

Note: Expected to be given in 2010–11.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80 and permission of the instructor.

[*Neurobiology 95hfh. Bird Song and Human Language: Learning from the Birds](#)

Catalog Number: 2579

Tamily A. Weissman and members of the Department

Half course (throughout the year). M., 6:30–8 p.m. EXAM GROUP: 9

This course approaches language with a heavy emphasis on the insights gained from birdsong research. We will read and discuss original publications showing that, like humans, songbirds are vocal learners. They go through developmental phases similar to those of their human counterparts (including babbling), exhibit regional song dialects, show critical periods and



require auditory feedback for song learning and maintenance.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfi (formerly *Biology 95hfi). The Sleeping Brain**

Catalog Number: 6361

Jeffrey M. Ellenbogen (Medical School)

Half course (throughout the year). W., 5:30–7 p.m. EXAM GROUP: 9

This seminar will focus on the neuroscience of sleep. We will begin broadly, by employing a systems-level perspective on the neuroanatomy and neurophysiology of sleep. We will then focus on key regions in detail. We will introduce models of animal research, computational models, neuroimaging, electrophysiology, human disease, and a section on behavioral and cognitive neuroscience of sleep.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

[*Neurobiology 95hfk (formerly *Biology 95hfk). Mechanisms of Neurological Disease]

Catalog Number: 7431

Eng H. Lo (Medical School)

Half course (throughout the year). Hours to be arranged.

Advances in molecular and cellular biology have revealed similar basic mechanisms of brain cell death in a wide range of disorders (e.g. Alzheimer's, Parkinson's, stroke, etc). These pathways include excitotoxicity, oxidative stress, and apoptosis. This seminar examines (1) the molecular mechanisms of cell death, (2) the evidence that implicates specific pathways in specific disorders, and (3) rational therapeutic targets for disease.

Note: Expected to be given in 2010–11.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80 and permission of the instructor.

***Neurobiology 95hfm. Neuroanatomically Correct - (New Course)**

Catalog Number: 78904

Tamly A. Weissman

Half course (throughout the year). Fall: W., 4–5:30; Spring: W., 4–6. EXAM GROUP: 9

Are you curious about the brain structures and pathways that make up the nervous system? Are you familiar with regions such as the hypothalamus, but you don't recall their function and you can't identify them on a map? This course will focus on the many regions and pathways in the brain and spinal cord. We will cover both human and comparative neuroanatomy, placing an emphasis on function, neural circuitry and current research within each region.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfn. Vision: How it Functions and Why It Fails - (New Course)**

Catalog Number: 27382

Tamly A. Weissman and members of the Faculty

Half course (throughout the year). Th., 4–5:30. EXAM GROUP: 18

Our mind is constantly creating our visual perceptions. Why does our brain fail our eyes? Is it



really failing? The anatomy and physiology of the visual system will be examined. Explanations behind many visual illusions will be explored in depth. Discussions will also focus on disease of the eye—their underlying causes and future treatments.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80, and premission of the instructor.

***Neurobiology 95I. Neuropharmacology: Principles and Future Prospects - (New Course)**

Catalog Number: 53768

Steven E. Hyman

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Pharmacology is a cornerstone of treatment for neuropsychiatric disorders. However, the molecular targets of existing antidepressant, anxiolytic, and antipsychotic drugs date from the mid-20th century and yield treatments of limited efficacy. In this seminar we will examine what is known about the mechanism of action of important drug classes and the disease they treat. We will ask how modern neurobiology might accelerate much needed progress.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, MCB 80 and permission of the instructor.

***Neurobiology 98r. Laboratory Research**

Catalog Number: 0494

Family A. Weissman and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

This course is ordinarily taken to obtain credit for independent research leading to a senior thesis. Work should be directed by a member of the Neurobiology concentration standing committee. Other research sponsors must be approved by the Head Tutor and require an appropriate co-sponsor. All students must submit registration materials for Neurobiology 98r at the time of enrollment.

Note: Laboratory safety session required. This course can be taken twice for concentration credit.

***Neurobiology 99 (formerly *Neurobiology 99r). Honors Thesis Tutorial**

Catalog Number: 9400

Family A. Weissman and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

For honors candidates writing a thesis in Neurobiology. This course is ordinarily taken in the last semester of enrollment. The Head Tutor must approve a thesis proposal prior to enrolling in Neurobiology 99.

Note: Laboratory safety session required.

For Undergraduates and Graduates

[Neurobiology 130 (formerly Psychology 1205). Drugs and the Brain: From Neurobiology to Ethics]

Catalog Number: 4056

Steven E. Hyman

Half course (fall term). Hours to be arranged.

Progress in neuroscience has produced drugs and devices that not only treat mental and



behavioral disorders, but can influence behavior in people who are not ill. Questions have been raised about whether such interventions might unduly influence identity, undermine personal responsibility, or have negative societal consequences. This course will examine how certain drugs (e.g., stimulants, antidepressants, addictive drugs) and devices act in the brain and the ethical and policy issues raised by their use.

Note: Expected to be given in 2010–11.

Prerequisite: MCB 80 or equivalent.

[*Neurobiology 135 \(formerly *Psychology 2350\). Current Topics in Cognitive Neuroscience Research](#)

Catalog Number: 3198

Randy L. Buckner

Half course (spring term). Hours to be arranged.

Discussion of current research and didactic lecture on technical aspects of methods in cognitive neuroscience research. Readings cover specific research programs based on both animal models and human studies of memory and executive function.

Note: Limited to students involved in research. Previous background in cognitive neuroscience required.

Prerequisite: MCB 80 (or equivalent) and permission of the instructor.

Cross-listed Courses in Neurobiology

[*BCMP 213. Behavioral Pharmacology]

[Engineering Sciences 145. Physiological Systems Analysis](#)

[Engineering Sciences 149. Neural Control of Movement]

[*Life Sciences 100r \(formerly *MCB 100r\). Experimental Research in the Life Sciences](#)

[MCB 80. Neurobiology of Behavior](#)

[MCB 105. Systems Neuroscience](#)

[MCB 115. Cellular Basis of Neuronal Function](#)

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 131. Computational Neuroscience](#)

[MCB 141. Molecular and Developmental Neurobiology]

[*MCB 145 \(formerly *Neurobiology 95hfb\). Neurobiology of Perception and Decision Making](#)

[*MCB 146 \(formerly *Neurobiology 95c\). Experience-Based Brain Development: Causes and Consequences](#)

[MCB 147. Brain Circuits - \(New Course\)](#)

[*MCB 173. Optical Imaging in the Biological Sciences]

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[MCB 206. Introduction to Connectomics](#)

[Neurobiology 204. Neurophysiology of Central Circuits](#)

[Neurobiology 207. Developmental Neurobiology](#)

[Neurobiology 209. Neurobiology of Disease](#)

[*Neurobiology 220. Cellular Neurophysiology](#)

[Neurobiology 221. Molecular Neurobiology](#)

[OEB 57 \(formerly Biological Sciences 57\). Animal Behavior](#)



OEB 145. Genes and Behaviors - (New Course)

[OEB 174r. Topics in Behavioral Ecology]

[OEB 205. Neurobiology of Motor Control]

OEB 223. Topics in Neurogenetics

Physics 141. The Physics of Sensory Systems in Biology

***Psychology 1307. Brain Genomics - (New Course)**

[*Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!)]

Psychology 1430. Human Memory and Amnesia

[*Psychology 1572. Stress and Health: Concentration Seminar]

***Psychology 2185. Unconscious Processing in Vision and Action - (New Course)**

***Psychology 2340. Understanding the Mind and Brain through Visual Cognition - (New Course)**

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

[*Psychology 2381. Hot Topics in Cognitive Science and Neuroscience] - (New Course)

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar]

SCRB 180. Repair and Regeneration in the Mammalian Brain - (New Course)

For Graduates

Oceanography

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Oceanography

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
(Chair)

Peter John Huybers, Assistant Professor of Earth and Planetary Sciences

James J. McCarthy, Professor of Biological Oceanography (*on leave 2009-10*)

Daniel P. Schrag, Sturgis Hooper Professor of Geology and Professor of Environmental Science
and Engineering

Courses in the various branches of oceanography are listed separately under the headings Earth and Planetary Sciences, Biology, and Engineering Sciences in this catalog. Further opportunities for study in oceanography exist at the Woods Hole Oceanographic Institution, at the Woods Hole Marine Biological Laboratory, and at MIT. Interested students are invited to contact members of the Faculty Committee on Oceanography for additional advice. Undergraduate and graduate students are also encouraged to write the committee chair to apply for funding in order to pursue oceanography-related projects, field work, or study opportunities.



Organismic and Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Organismic and Evolutionary Biology

Andrew A. Biewener, Charles P. Lyman Professor of Biology (*Chair*)
Arkhat Abzhinov, Assistant Professor of Organismic and Evolutionary Biology
Andrew J. Berry, Lecturer on Organismic and Evolutionary Biology
Kirsten Bomblies, Assistant Professor of Organismic and Evolutionary Biology
Michael R. Canfield, Lecturer on Organismic and Evolutionary Biology
Jennifer Carr, Preceptor in Organismic and Evolutionary Biology
Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology
Stacey A. Combes, Assistant Professor of Organismic and Evolutionary Biology
Charles C. Davis, Assistant Professor of Organismic and Evolutionary Biology
Michael Manish Desai, Assistant Professor of Organismic and Evolutionary Biology and of Physics
Jacques Dumais, Associate Professor of Organismic and Evolutionary Biology
Scott V. Edwards, Professor of Organismic and Evolutionary Biology
Cassandra G. Extavour, Assistant Professor of Organismic and Evolutionary Biology
Brian D. Farrell, Professor of Biology
David R. Foster, Senior Lecturer on Biology
Peter R. Girguis, John L. Loeb Associate Professor of the Natural Sciences
Gonzalo Giribet, Professor of Organismic and Evolutionary Biology (*Director of Undergraduate Studies*)
David A. Haig, Harvard College Professor, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor*) (*on leave 2009-10*)
James Hanken, Professor of Biology and Curator of Herpetology
Daniel L. Hartl, Higgins Professor of Biology (FAS), Professor in the Department of Immunology and Infectious Diseases (*Public Health*)
Hopi E. Hoekstra, John L. Loeb Associate Professor of the Natural Sciences
N. Michele Holbrook, Charles Bullard Professor of Forestry
Farish A. Jenkins, Jr., Professor of Biology and Curator of Vertebrate Paleontology (FAS), Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (Medical School) (*on leave spring term*)
Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences
Elena M. Kramer, Professor of Organismic and Evolutionary Biology
George V. Lauder, Professor of Biology
Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology (*on*



leave spring term)

Jonathan Losos, Monique and Philip Lehner Professor for the Study of Latin America and Curator in Herpetology

Charles R. Marshall, Professor of Biology and of Geology

Christopher Marx, Assistant Professor of Organismic and Evolutionary Biology

James J. McCarthy, Professor of Biological Oceanography (*on leave 2009-10*)

Paul R. Moorcroft, Professor of Organismic and Evolutionary Biology

Martin A. Nowak, Professor of Mathematics and of Biology

Bence P. Olveczky, Assistant Professor of Organismic and Evolutionary Biology

Manus M. Patten, Preceptor in Organismic and Evolutionary Biology

Donald H. Pfister, Asa Gray Professor of Systematic Botany and Curator of the Farlow Library and Herbarium

Naomi E. Pierce, Sidney A. and John H. Hessel Professor of Biology and Curator of Lepidoptera

Anne E. Pringle, Associate Professor of Organismic and Evolutionary Biology

Andrew Richardson, Assistant Professor of Organismic and Evolutionary Biology

Pardis Sabeti, Assistant Professor of Organismic and Evolutionary Biology

John R. Wakeley, Professor of Organismic and Evolutionary Biology (*Director of Graduate Studies*)

Robert M. Woollacott, Professor of Biology and Curator of Marine Invertebrates in the Museum of Comparative Zoology

Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Organismic and Evolutionary Biology

William H. Bossert, David B. Arnold, Jr. Professor of Science

Michael S. Gilmore, Charles L. Schepens Professor of Ophthalmology (*Medical School*)

Arthur L. Lage, Associate Professor of Surgery (*Medical School*)

Daniel E. Lieberman, Professor of Anthropology

Primarily for Undergraduates

OEB 10. Foundations of Biological Diversity

Catalog Number: 7967

Brian D. Farrell and N. Michele Holbrook

Half course (fall term). M., W., F., at 12, and three hours of laboratory/discussion section weekly, including field trips to marine and forest environments. EXAM GROUP: 5

An integrated approach to the diversity of life, emphasizing how chemical, physical, genetic, ecological and geologic processes contribute to the origin and maintenance of biological diversity. Topics to be covered include the evolution of metabolic pathways, multicellularity and structural complexity; causes and consequences of differences in diversity over space and time; the role of species interactions (including symbioses) as an evolutionary force; and the evolution of humans and their impact on the environment.

Note: Knowledge of introductory molecular, cellular biology, and genetics is recommended. This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core requirement for Science B.



OEB 51 (formerly OEB 110). Biology and Evolution of Invertebrate Animals

Catalog Number: 7873 Enrollment: Limited to 12.

Cassandra G. Extavour and Gonzalo Giribet

Half course (spring term). Lectures Tu., Th., 10-11:30; laboratory on Wednesdays with hours to be arranged. EXAM GROUP: 12, 13

Introduction to invertebrate diversity, will cover the development, adult anatomy, biology and evolutionary relationships of the main animal phyla including sponges, mollusks, annelids and arthropods among others. Special emphasis is placed on understanding the broad diversity of animal forms and their adaptations to different ecosystems and how these phenomena shape animal evolution. Lectures will be complemented with a mandatory weekly lab and a field trip to different areas of outstanding marine diversity in the Caribbean.

Note: Field trip to the Caribbean for research during spring break.

Prerequisite: LS1b, OEB 10, OEB 53 or permission of instructor required.

OEB 52 (formerly OEB 124). Biology of Plants

Catalog Number: 1343 Enrollment: Limited to 16.

Jacques Dumais, N. Michele Holbrook, and Elena M. Kramer

Half course (spring term). Tu., Th., 10-11:30, one afternoon laboratory per week, plus occasional field trips. EXAM GROUP: 12, 13

Introduction to the structure, diversity, and physiology of plants with an emphasis on evolutionary relationships and adaptations to life on land. Topics include growth, resource acquisition, interactions with other organisms (i.e., fungi, bacteria, insects), reproduction, and survival in extreme environments. Laboratory sessions provide an overview of plant and diversity and an introduction to basic physiological processes.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core area requirement for Science B.

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

Catalog Number: 3342

Andrew J. Berry and Hopi E. Hoekstra

Half course (spring term). M., W., 1-2:30. EXAM GROUP: 6, 7

The course covers micro- and macro-evolution, ranging in its focus from population genetics through molecular evolution to the grand patterns of the fossil record. Topics emphasized include both natural and sexual selection, the ecological context of adaptation, genomic and developmental mechanisms of evolutionary innovation, speciation, phylogenetics, and evolutionary approaches to human problems.

Note: This course, when taken for a letter grade, meets the Core requirement for Science B.

Prerequisite: Life Sciences 1b or permission of instructor.

OEB 54. Biology of the Fungi

Catalog Number: 9326

Donald H. Pfister and Anne Pringle

Half course (fall term). Tu., Th., 1-2:30, and a weekly laboratory on Tu., 2:30 -5. EXAM GROUP: 15, 16

This course explores the fascinating diversity of the kingdom fungi, including evolution, ecology and morphology. All major groups of fungi, from smuts to molds, will be included. Students will



use a variety of techniques to learn about fungi and their activities.

Note: There is a weekly laboratory and at least one weekend field trip and several afternoon field trips are required (dates to be announced). This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Sciences 1a and 1b or permission of instructor.

OEB 55 (formerly Biological Sciences 55). Ecology: Populations, Communities, and Ecosystems

Catalog Number: 3365

Paul R. Moorcroft

Half course (spring term). M., W., F., at 10, and a weekly discussion section, and two field trips on either Saturdays or Sundays during mid-April to early-May. EXAM GROUP: 3

Relationships of organisms to their environment at the individual, population, and community level. Topics in pure and applied ecology including adaptations to physical environment, competition, population dynamics, predator-prey interactions, herbivore effects, community ecology, ecosystem structure, stability and function, and resource management.

Note: This course, when taken for a letter grade, meets the Core requirement for Science B.

Prerequisite: Mathematics 1b.

OEB 57 (formerly Biological Sciences 57). Animal Behavior

Catalog Number: 2539

Naomi E. Pierce and Bence P. Olveczky

Half course (spring term). Tu., Th., at 10; Guest lectures and film screenings W., at 7:30 pm; one hour discussion section weekly. EXAM GROUP: 12

A review of the behavior of animals under natural conditions, with emphasis on both mechanistic and evolutionary approaches. Topics include classical ethology; behavioral endocrinology; behavioral genetics; learning and memory; communication; orientation, migration and biological rhythms; optimal foraging; evolutionary stable strategies; sexual selection; parental investment and mating systems; selfishness, altruism, and reciprocity; and sociality in vertebrates and invertebrates.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 59 (formerly OEB 104). Plants and Human Affairs

Catalog Number: 5281

Donald H. Pfister and Charles C. Davis

Half course (fall term). M., W., at 10. EXAM GROUP: 3

An introduction to the uses of plants by humans. Topics include the form, structure and genetics of plants related to their use as sources of food, shelter, fiber, flavors, beverages, drugs, and medicines. Plant structure and reproduction are studied in lecture and laboratory with a particular focus on relationships between the plant's structural, chemical, or physiological attributes and the utility plant.

Note: This course, when taken for a letter grade, meets the Core requirement for Science B.

Prerequisite: OEB 10 or permission of the instructor.

OEB 91r. Supervised Reading

Catalog Number: 6374



Gonzalo Giribet and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading on topics not covered by regular courses. For OEB concentrators, work may be supervised by faculty in other departments, provided it is co-sponsored by an OEB faculty member. For non-concentrators, work must be directed by an OEB faculty member. Students must submit a registration request to the OEB Undergraduate Office before enrollment. Students cannot take OEB 91r and 99r simultaneously with the same director.

***OEB 99r. Supervised Research**

Catalog Number: 7744

Gonzalo Giribet and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Course taken in one or more semesters to obtain credit for independent research, including research toward a senior thesis. Work should be directed by an OEB faculty member or have an OEB faculty sponsor. All students must submit registration materials for OEB 99r at the time of enrollment.

Note: Laboratory safety session required.

For Undergraduate and Graduates

OEB 100. Evolution in Action

Catalog Number: 9930 Enrollment: Limited to 16.

Christopher Marx

Half course (spring term). M., 3:30–5:30. EXAM GROUP: 8, 9

In this project based laboratory course students will conduct research utilizing experimental evolution of microbial populations. The research will address questions that synthesize knowledge of genetics, biochemistry, systems biology, microbiology, evolution and ecology.

Prerequisite: Life Sciences 1a and 1b or permission of the instructor required. Open to students from any concentration

[OEB 103. Plant Systematics and Evolution]

Catalog Number: 8704

Charles C. Davis

Half course (spring term). Tu., Th., 10-11:30, and a four hour lab on Fridays.

An introduction to the diversity and evolution of vascular plants. The course focuses mainly on flowering plants because of their dominant role on the earth, but lycophytes, ferns, and gymnosperms are studied as well. A phylogeny of vascular plants provides the framework for their evolution and diversification. Related subjects, including plant habitats, biogeography, phylogenetics, herbaria, nomenclature, and pollination biology are also presented in lecture and laboratory.

Note: Expected to be given in 2010–11. There are two midterms, a final, frequent lab quizzes, and an optional trip to the Brazilian state of Bahia to study plants in their native setting.

Prerequisite: OEB 10 or permission of instructor.

[OEB 106. Plant Development and Differentiation]

Catalog Number: 4559



Elena M. Kramer

Half course (fall term). Tu., Th., 1–2:30.

A comprehensive lecture course on the developmental biology of plants from fertilization through all phases of vegetative and reproductive growth. Material includes both morphological and genetic studies. Although the main focus of the course is angiosperms, examples are drawn from other lineages of land plants as well. Additional topics include control of cell division and elongation, signal transduction, and hormone response.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 1b and OEB 52 (formerly OEB 124) or permission of the instructor.

[OEB 107. Evolution of Plant Life in Geologic Time]

Catalog Number: 1318

Andrew H. Knoll

Half course (fall term). M., W., at 10, and a weekly 2-hour lab to be arranged.

Origin, evolution, dispersal, paleoecology, and geologic history of the major groups of the plant kingdom. Laboratory study of representative groups, living and fossil.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 10 or permission of instructor.

OEB 111. Plants and Environmental Sensing

Catalog Number: 7832 Enrollment: Limited to 30.

Sarah L. Mathews (Arnold Arboretum)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

The exquisite capacity of plants for fine-tuning their growth and development to environmental cues provides evidence of the systems they use for monitoring their environments. This course covers the systems used to sense and respond to light (quality, quantity, direction, periodicity), gravity, temperature, neighboring vegetation, mutualistic partners, pathogens, parasites, herbivores, and abiotic stressors.

Prerequisite: OEB 10, OEB 52, or approval of the instructor.

[OEB 113. Paleobiological Perspectives on Ecology and Evolution]

Catalog Number: 1777

Instructor to be determined

Half course (spring term). Tu., Th., 1–2:30.

Introduction to the analysis of key problems in paleobiology, with an emphasis on how evolutionary and ecological processes operate on geologic timescales. Topics include: the evolution of ecosystems; dissecting biodiversity dynamics; determining times of origin and extinction; assessing the absolute completeness of the fossil record; stratigraphy and phylogeny reconstruction; theoretical and functional morphology.

Note: Expected to be given in 2010–11.

Prerequisite: Prior biology experience or permission of instructor.

[OEB 114. Vertebrate Viviparity]

Catalog Number: 4953

David A. Haig

Half course (fall term). M., W., F., at 11.



Viviparity has evolved many times in vertebrate phylogeny. The course reviews the diversity of parental care in vertebrates and explores the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts is considered.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 1b or permission of instructor.

[OEB 115. Evolutionary Developmental Biology in Animals]

Catalog Number: 9892

Arkhat Abzhanov

Half course (fall term). M., F., 1–3.

A lecture course in evolutionary developmental biology. Main principles and mechanisms of development as illustrated on both invertebrate and vertebrate animal model systems. In this course we will discuss how animal embryos develop adult body plans on cellular and molecular level. Particular emphasis will be placed on how knowledge of developmental biology helps us understand major evolutionary transitions and the origin of innovation in animal evolution.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 1a (or LPS A) and 1b, or permission of instructor. OEB 10, MCB 52, and MCB 54 are recommended but not required. Open to students from any concentration.

[OEB 118. Biological Oceanography]

Catalog Number: 7752

James J. McCarthy

Half course (spring term). Tu., Th., 10–11:30.

The ocean as an ecological system, with focus on environmental-organismal interactions that regulate plankton production and transfer to higher trophic levels. Specific topics include bloom events, the limits to fish harvest, and the effects of climate change on ocean systems. Plankton demonstrations and optional coastal research vessel day trip.

Note: Expected to be given in 2010–11. For biology and other natural science concentrators.

Prerequisite: OEB 10 and Life Sciences 1a (or LPS A), Physical Sciences 1 or permission of instructor.

OEB 119. Deep Sea Biology

Catalog Number: 1397

Peter R. Girguis

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

The oceans contain 97% of Earth's water, and host the most disparate ecosystems on the planet. This course provides an introduction to deep ocean habitats, macrofauna and microorganisms. Emphasis is placed on the physiological adaptations of organisms to their environment, as well the role of microbes in mediating oceanic biogeochemical cycles.

***OEB 121a. Research in Comparative Biomechanics**

Catalog Number: 4049

Andrew A. Biewener, Stacey A. Combes, George V. Lauder, and Daniel E. Lieberman

Half course (spring term). Hours to be arranged.

Introduces students to experimental techniques used to investigate the structure and physiology of animals. Each instructor offers research projects that are undertaken in their laboratory (limit 5



students per instructor). Students meet to introduce their project, discuss their work and progress, and to present their final results. An extensive commitment of time in the laboratory is required. Grades are based on the work completed, the oral presentation, and a short research paper.

Note: Laboratory safety session required.

Prerequisite: Life Sciences 2 or OEB 102 or equivalent preferred.

***OEB 121b. Research in Comparative Biomechanics**

Catalog Number: 4670

Andrew A. Biewener, Stacey A. Combes, George V. Lauder, and Daniel E. Lieberman

Half course (fall term). Hours to be arranged.

Students may extend the initial project undertaken in OEB 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: OEB 121a and permission of instructor.

OEB 123. Biology of Symbiosis

Catalog Number: 0508

Colleen M. Cavanaugh

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An examination of the major aspects of microbial endosymbiosis with emphasis on mutualisms, although some parasitic interactions are covered. Topics include origins of the eukaryotic cell, specificity and recognition of partners, distribution and diversity of associations, and coevolution of host and symbiont. The course covers symbiotic interactions among bacteria and archaea with protists, fungi, plants, and animals, including the human microbiome.

Prerequisite: Life Sciences 1b, OEB 10, and MCB 52 or equivalent, or permission of instructor.

[OEB 125. Molecular Ecology and Evolution]

Catalog Number: 2691

Scott V. Edwards and guest lecturers

Half course (fall term). Tu., Th., 11:30–1.

A survey of empirical applications of DNA technologies to the study of evolutionary, ecological and behavioral processes in natural populations. Topics to be covered will span a variety of hierarchical levels, timescales, and taxonomic groups, and will include the evolution of genes, genomes and proteins; evolution of multigene families and molecular clocks; population genetic and phylogenetic principles of speciation and phylogeography; DNA fingerprinting in forensics and behavioral ecology; evolutionary genetics of disease resistance; and conservation genetics.

Note: Expected to be given in 2010–11. Weekly computer laboratories will introduce the use of the internet and computational software in DNA sequence alignment and phylogenetic and population genetic analysis.

Prerequisite: Life Sciences 1b, OEB 10, OEB 53 or MCB 52.

OEB 130. Patterns and Processes in Fish Diversity

Catalog Number: 4624

George V. Lauder

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Fishes inhabit diverse aquatic environments including deep seas, intertidal zones, coral reefs, polar waters, the vast Amazonian basin, and great East African lakes. A single fish species may



occupy diverse environments through extraordinary long distance horizontal and vertical migrations. To explore this unparalleled diversity, the course emphasizes bridging traditional academic boundaries with integrative analyses of the biology underlying rapid evolutionary radiations and stasis.

Prerequisite: Life Sciences 1b or LS2, and OEB 10, or permission of instructor.

OEB 139. Evolution of the Vertebrates

Catalog Number: 8562

Farish A. Jenkins, Jr.

Half course (fall term). M., W., 12–1:30. EXAM GROUP: 5, 6

A survey of the origination and evolution of the major groups of vertebrates, with emphasis on the anatomical and physiological transformations that occurred during the transitions to diverse lineages of fish, amphibians, reptiles, birds, and mammals. The structures and functions exhibited in extant taxa are explored with perspectives from the fossil record.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

OEB 141. Biogeography - (New Course)

Catalog Number: 85974

Gonzalo Giribet

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Biogeography aims to explain distributions of organisms through historical and ecological factors. This course will focus on the history of biogeographic research, developments in the area of historical biogeography, and on ecological processes that affect distributions of whole clades. Topics include plate tectonics and earth history, vicariance and dispersal, areas of endemism, phylogenetic niche conservatism, latitudinal gradients in species richness, and the theory of island biogeography. Software for biogeographical analysis will be discussed and evaluated.

Prerequisite: Two following courses: Life Sciences 1b, OEB 10, OEB 51, OEB 52, OEB 53, OEB 54, OEB 55, OEB 181, or permission of the instructor.

OEB 145. Genes and Behaviors - (New Course)

Catalog Number: 48436

Yun Zhang

Half course (fall term). Th., 10–11:30, M., 3–4:30. EXAM GROUP: 8, 9, 12, 13

Behaviors are inheritable and regulated by genes. This lecture course is focused on the genetic underpinnings of behaviors in both invertebrates and vertebrate animals. The goal is to provide mechanistic understandings of how gene products control and influence behavioral outputs. The course covers important findings as well as major research methods in the field. The behaviors that will be lectured on include: olfaction, mechanosensation, adaptation, feeding, circadian rhythm, aggression, courtship, social recognition, addition, etc.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Life Science 1a.

OEB 153. Statistics for Biology - (New Course)

Catalog Number: 49559

John R. Wakeley

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3



Introduction to probability and statistical distributions, and the principle and practice of statistical inference, with a focus on genetical and other biological applications; in other words, how to defend your claims and not be fooled by quantitative arguments.

Note: This course is offered every other year.

Prerequisite: Mathematics through Calculus.

OEB 155r. Biology of Insects

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce and Michael R. Canfield

Half course (fall term). F., 1–2:30, W., 1:30–3. EXAM GROUP: 6, 7

An introduction to the major groups of insects. The life history, morphology, physiology, and ecology of the main taxa are examined through a combination of lecture, lab, and field exercises. Topics include the phylogeny of terrestrial arthropods with a review of the extant orders, an analysis of abiotic and biotic factors regulating populations, including water balance, temperature, migration, parasitism, mutualism, sociality, insect/plant interactions, medical entomology, and the use of insects in biological control.

Prerequisite: With permission of instructor.

[OEB 157. Global Change Biology]

Catalog Number: 7055

Paul R. Moorcroft and James J. McCarthy

Half course (spring term). Tu., Th., 10–11:30.

Examines natural and anthropogenic changes in the earth system and their impact on the structure and functioning of terrestrial and oceanic ecosystems. Topics include earth system history, fossil fuel emissions, changing water chemistry, ozone, species extinctions and invasions, and human exploitation of natural resources.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 10 or OEB 53 and Mathematics 1a required. OEB 55 (formerly BS 55) recommended.

OEB 167. Herpetology

Catalog Number: 4070

James Hanken and Jonathan Losos

Half course (spring term). Tu., Th., 1-2:30; Lab: W., 2-5. EXAM GROUP: 15, 16

An introduction to the biology of amphibians and reptiles. Lectures and laboratories examine the morphology, systematics, natural history, behavior, ecology, evolutionary relationships, and biogeography of all major taxa.

Note: The course is planning an optional week-long field trip during spring break.

[OEB 168r. Sociobotany]

Catalog Number: 5092

David A. Haig

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A study of the diversity and evolution of plant life cycles, with an emphasis on interactions between the generations.



Note: Expected to be given in 2010–11.

Prerequisite: Permission of instructor.

OEB 173. Comparative Biomechanics

Catalog Number: 9667

Andrew A. Biewener and Jacques Dumais

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An exploration of how animals and plants contend with their physical environment, considering their biomaterial properties, structural form, and mechanical interaction with the environment. Through lectures, seminar discussions, and student presentations based on readings, students are introduced to topics related to biomechanical performance.

Prerequisite: Mathematics 1b, Physical Science 2 or Physics 11a; Mathematics 21a recommended, or permission of instructor.

[OEB 174r. Topics in Behavioral Ecology]

Catalog Number: 5199 Enrollment: Limited to 15.

Naomi E. Pierce

Half course (spring term). M., 2:30–4:30.

Current issues in neuroethology, behavior, and behavioral ecology are examined, with topics that change each year. Topics in previous years have included: evolution of sex, evolution of cooperation, evolution of communication, and learning and Memory. The topic this year will focus on comparative methods in studying the evolution of behavior. The course involves invited speakers and discussion of the primary literature.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 57 or MCB 80 or Science B-29 or permission of instructor.

[OEB 181. Systematics]

Catalog Number: 5459

Gonzalo Giribet

Half course (fall term). Tu., Th., 10-11:30; laboratory on Wednesdays with hours to be arranged.

Theory and practice of systematics, emphasizing issues associated with homology statements and alignments, methods of tree reconstruction, and hypothesis evaluation. The course combines theoretical considerations, paying special attention to algorithmic aspects of phylogenetics, with the use of different computer programs for conducting evolutionary and phylogenetic analyses.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 53, or permission of instructor required. Familiarity with computers, especially Mac and PC platforms.

[OEB 189. Comparative Cell Morphogenesis]

Catalog Number: 2195

Jacques Dumais

Half course (fall term). Hours to be arranged.

A survey of the different modes of cellular development in unicellular organisms and in specialized cells within multicellular organisms. Lectures will cover morphogenesis in bacteria, coccolithophores, diatoms, yeasts, fungal hyphae, ciliates, neurons, and red blood cells among



others. The emphasis will be on the molecular and biophysical controls of cell shape. The functional significance of cell shape will also be discussed. Laboratories will introduce the students to the organisms studied in class.

Note: Expected to be given in 2010–11.

Prerequisite: MCB 54 recommended.

[OEB 190. Biology and Diversity of Birds]

Catalog Number: 3870 Enrollment: Limited to 12.

Scott V. Edwards

Half course (spring term). Tu., Th., 11:30-1 and two hours weekly of specimen laboratory.

An introduction to the biology of birds. Covers the fossil record and theories for avian origins, physiology and anatomy, higher-level systematics and field characters of the ~27 orders, speciation processes, nesting and courtship behavior, vocalizations, mating systems and sexual selection, cooperative breeding, demography and conservation. Optional field trip during spring break. Laboratories will consist of gross anatomy, bird watching excursions in the Cambridge area, field techniques and specimen preparation, and systematic study of avian groups using the collections of the Museum of Comparative Zoology.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 10 or OEB 53 or permission of the instructor.

OEB 191. Physiological and Biochemical Adaptation

Catalog Number: 2314

Peter R. Girguis and Stacey A. Combes

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course examines how metabolic systems in organisms, from microbes to mammals, have evolved to maintain function throughout the wide range of habitats found on Earth. Emphasis is placed on organismal physiology and biochemical evolution in response to the environment, including the oxygenation of earth's atmosphere and the so-called "extreme" environments. Topics will include pH regulation, thermo-tolerance, desiccation, locomotion, as well as numerous novel physiological adaptations.

Note: one lab per week

Prerequisite: OEB 10 or MCB 56 or permission of the instructor.

OEB 192. Microbial Evolution

Catalog Number: 5019

Christopher Marx

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

An examination of the evolution of microbes through an integration of lectures and discussion of primary literature. We will focus on a series of broad questions for which we will draw upon knowledge from both lab-based study of experimental microcosms and comparative studies of natural populations. Notably, students will conduct their own experimental evolution projects using 'digital organisms'.

Prerequisite: Life Sciences 1a and Life Sciences 1b or equivalent required.

OEB 194. Laboratory Techniques in Ecological Physiology - (New Course)

Catalog Number: 19882



Peter R. Girguis and Stacey A. Combes

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

An introduction to laboratory techniques in experimental physiology, this course will utilize a variety of equipment and several model organisms to empirically investigate foundational concepts in physiological and biochemical adaptation. Labs will complement and extend topics discussed in the companion class, OEB191. After demonstrating proficiency with core techniques, students will design independent research projects to explore novel questions in ecological physiology.

Prerequisite: Concurrent or previous enrollment in OEB 191, or instructor approval.

Primarily for Graduates

[OEB 205. Neurobiology of Motor Control]

Catalog Number: 1519

Bence P. Olveczky

Half course (fall term). W., 2–4.

This course explores the functional organization and anatomy of motor circuits in the brain and how they control movements, including simple reflex movements, rhythmic movements, and more complex sequences of learned movements.

Note: Expected to be given in 2010–11.

Prerequisite: MCB 80 or equivalent or permission of instructor.

[OEB 211r. Form, Function, and Evolution]

Catalog Number: 2056

Karel F. Liem

Half course (fall term). Hours to be arranged.

Evolutionary mechanisms underlying the diversity in design of living vertebrates. Recent advances of topics selected by faculty and students.

Note: Expected to be given in 2010–11.

OEB 212r. Advanced Topics in Plant Physiology

Catalog Number: 2176

N. Michele Holbrook

Half course (spring term). Hours to be arranged.

A critical discussion of current research in plant physiology including measurement techniques, modeling, and experimental approaches.

Prerequisite: OEB 120 , OEB 52 or permission of instructor.

[*OEB 214. Biology of Acoustic Communities]

Catalog Number: 2422 Enrollment: Limited to 12.

Brian D. Farrell

Half course (spring term). Tu., 11:30–1.

Four principal animal groups (insects, frogs, birds and mammals) sing and call in habitats around the world. We discuss the ecology, evolution and characteristics of such acoustic communities and the hypothesis that their members compete for "bandwidth". We discuss readings on acoustic ecology and evolution, and listen to (and watch, via spectrum analysis) soundscapes from



selected tropical and temperate habitats. The capstone will be a fieldtrip to record natural soundscapes.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 10 or permission of the instructor.

OEB 215. Topics in Ecophysiology - (New Course)

Catalog Number: 99294

Stacey A. Combes

Half course (fall term). Tu., 3–5.

A discussion based course exploring the physiological processes involved in an organism's interactions with its environment. Readings will focus on adaptation to environmental variability, with an emphasis on responses to climate change and habitat alteration.

Prerequisite: OEB 191 or permission of instructor

[OEB 221. Microbial Diversity]

Catalog Number: 1234

Colleen M. Cavanaugh

Half course (spring term). Hours to be arranged.

Examines the remarkable diversity of prokaryotes. Physiological, genetic, ecological, and evolutionary characteristics of Bacteria and Archaea divisions are discussed, as well as the relation of phenotype to phylogeny.

Note: Expected to be given in 2010–11.

Prerequisite: Life Sciences 1b (formerly BS 50) and OEB 10 or BS 51, and MCB 52 or equivalent, or permission of instructor.

OEB 223. Topics in Neurogenetics

Catalog Number: 1434

Yun Zhang

Half course (spring term). W., 4–6. EXAM GROUP: 9

Review of current literature related to genetic effects on neural functions including: (1) genetic contributions to mental illness; (2) current understanding of underlying mechanisms of neurodegenerative diseases; (3) genes and behaviors; (4) modulations of neuronal functions by environment and experiences.

Note: The course is primarily planned for new graduate students, but it is also open to interested senior undergraduates who have taken OEB 57 (formerly BS 57) or MCB 80 and obtained permission from the instructor.

[OEB 227. Molecular Approaches to Environmental Microbiology]

Catalog Number: 4444

Colleen M. Cavanaugh

Half course (spring term). Hours to be arranged.

Critical review and discussion of current advances in our understanding of biodiversity, community structure, and metabolic activities in Bacteria and Archaea resulting from the application of cellular and molecular approaches in diverse environments

Note: Expected to be given in 2010–11.

Prerequisite: Earth and Planetary Sciences 30 or permission of instructor.



[*OEB 230. Speciation]

Catalog Number: 0122

Hopi E. Hoekstra

Half course (fall term). M., 2–4.

This discussion based course covers the latest advances in speciation with a focus on controversial issues and new approaches. The course combines readings from Speciation chapters and the recent primary literature with guest lecturers and discussion from experts in the field.

Note: Expected to be given in 2010–11.

Prerequisite: Permission of instructor.

***OEB 231. Adaptation - (New Course)**

Catalog Number: 95671

Hopi E. Hoekstra

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

This discussion-based course covers the latest advances in the study of adaptation with a focus on controversial issues and integrative approaches. The course combines readings from recent primary literature with discussion with experts via video conferencing.

***OEB 234. Topics in Marine Biology**

Catalog Number: 4637

Robert M. Woollacott

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

Human impacts on marine life and ecosystems of the sea.

Note: Weekly class meeting including lectures, class presentations, several laboratories, and one field trip through the course of term.

[OEB 242. Population Genetics]

Catalog Number: 0903

Daniel L. Hartl and Pardis Sabeti

Half course (spring term). W., 2–5.

Mathematical theory, experimental data, and history of ideas in the field, including analytical methods to study genetic variation with applications to evolution, demographic history, agriculture, health and disease. Includes lectures, problem sets, and student presentations.

Note: Expected to be given in 2010–11.

Prerequisite: LS1b or permission of the instructor.

***OEB 251. Introduction to Vertebrate Surgery**

Catalog Number: 2075 Enrollment: Limited to 16.

Arthur L. Lage (Medical School)

Half course (fall term). W., 1–5. EXAM GROUP: 6, 7, 8, 9

Teaches the basic principles of aseptic surgery with emphasis on practicality. Students learn basic "open" surgery as well as newer high-tech videoscopic minimally invasive technique, obtaining hands-on experience in scrubbing, gowning, and sterile technique while serving as anesthetist and surgeon.

Note: Intended for the student interested in the application of surgical technique in higher studies



in biology and related disciplines.

Prerequisite: Comparative anatomy, Life Sciences 2 (or OEB 102), or equivalent course.

[OEB 252. Coalescent Theory]

Catalog Number: 0118

John R. Wakeley

Half course (spring term). M., W., F., at 9.

The mathematics and computation of ancestral inference in population genetics. Theory relates observable genetic data to factors of evolution such as mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 152 or permission of instructor: calculus and statistics or probability.

OEB 253r. Evolutionary Genetics Seminar

Catalog Number: 8104

John R. Wakeley

Half course (fall term; repeated spring term). W., at 11. EXAM GROUP: 4

Readings and discussion of primary literature in population and evolutionary genetics.

Prerequisite: OEB 152 or permission of instructor.

[OEB 255. Nature and Regulation of Marine Ecosystems]

Catalog Number: 7753

James J. McCarthy and guest lecturers

Half course (fall term). W., 1–3:30.

A presentation of topics that are of current interest in marine ecosystems. Emphasis on identification and quantification of biological and environmental factors important in the regulation of community structure in the intertidal, deep benthic, and planktonic realms.

Note: Expected to be given in 2010–11.

Prerequisite: OEB 55 (formerly BS 55) and OEB 118.

OEB 261r (formerly Biology 261r). Developmental Mechanisms of Evolutionary Change

Catalog Number: 8451

Arkhat Abzhinov and James Hanken

Half course (spring term). F., 1–2:30. EXAM GROUP: 6, 7

A graduate seminar course in evolutionary developmental biology. In this course, we will discuss the latest advances in understanding the cellular and molecular developmental mechanisms that underlie important evolutionary phenomena. We will emphasize major evolutionary transitions and the origin of morphological innovations in animal evolution.

Prerequisite: LS 1A and LS 1B or by permission of the instructor.

OEB 268r. Topics in Plant Developmental Genetics

Catalog Number: 5020

Elena M. Kramer and Andrew H. Knoll

Half course (fall term). M., 1–3.

This lecture/seminar reviews the literature related to the intersection between paleobotany and developmental genetics. Additionally, participants are familiarized with the advantages and



pitfalls of molecular techniques, and the process of project design.

Prerequisite: OEB 106 and Life Sciences 1b or BS 50, or MCB 52 or permission of instructor.

OEB 275r. Phylogenetics in the Era of Genomics

Catalog Number: 5004

Scott V. Edwards

Half course (fall term). Tu., 1:00-3 p.m. and occasional computer labs. EXAM GROUP: 15, 16

A survey of the changing landscape of molecular systematics brought on by the power of modern genomics. Emphasis will be on the challenges of combining DNA sequence data from many genes and the rise of species trees as a paradigm in systematics. Lectures and journal paper readings will be supplemented by occasional laboratories illustrating new multilocus phylogenetics methods.

Prerequisite: OEB 53, OEB 181 or equivalent.

[*OEB 276. Models of Development]

Catalog Number: 1448

Jacques Dumais

Half course (spring term). M., W., 1-2:30.

A lecture and discussion course on the modeling of animal and plant development. Topics will include analysis of gene networks, positional signaling, reaction-diffusion systems, mechano-chemistry and tissue mechanics and remodeling. Emphasis will be on models of development that are mechanistic and well supported experimentally.

Note: Expected to be given in 2010-11.

Prerequisite: Math 1a and b; Math 21a and b recommended, or permission of instructor.

[OEB 278. Ecological Genetics]

Catalog Number: 0732

Anne E. Pringle

Half course (spring term). M., 2-4:30.

Ecological genetics explores the adjustments and adaptations of wild populations to their environment. We will use the primary literature to explore how diverse organisms are actually evolving in nature, and challenge the traditional divide between evolution and ecology.

Note: Expected to be given in 2010-11.

OEB 282. Genomics and Evolution of Infectious Disease (Graduate Seminar in General Education) - (New Course)

Catalog Number: 43026

Scott V. Edwards and Pardis Sabeti

Half course (spring term). W., 2-5. EXAM GROUP: 7, 8, 9

Infectious diseases rapidly evolve to evade our immune systems, drugs, and vaccines, to remain agents of great morbidity and mortality. We will investigate the genome evolution of these pathogens and our intervention strategies for them past and present, with case examples from avian flu, malaria, TB, lassa fever and more. The seminar will design and develop a General Education course on these themes for undergraduates.



***OEB 290 (formerly *Life Sciences 190r). Microbial Sciences: Chemistry, Ecology and Evolution**

Catalog Number: 7185 Enrollment: Limited to 30.

Michael S. Gilmore (Medical School)

Half course (fall term). F., 9:45–11:45. EXAM GROUP: 2, 3, 4

This is an interdisciplinary graduate-level and advanced undergraduate-level course in which students explore topics in molecular microbiology, microbial diversity, and microbially-mediated geochemistry in depth. This course will be taught by faculty from the Microbial Sciences Initiative.

Prerequisite: For advanced undergraduates, Life Sciences 1a and 1b are required, or permission of instructor. MCB 52 is recommended.

***OEB 299r. Forest Practice and Research**

Catalog Number: 6128

David R. Foster

Half course (fall term; repeated spring term). Hours to be arranged.

Field and laboratory research into the history, biology, ecology, culture, and economic problems of local, regional, and world forests. Individual research projects.

Note: Seminars, conferences, field, and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Cross-listed Courses

[Engineering Sciences 216. Biological Dynamics]

***Environmental Science and Public Policy 90e. Conservation Genetics**

Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Evolutionary Anatomy

[*Human Evolutionary Biology 1463 (formerly *Anthropology 1463). Molecular Evolution of the Primates]

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

Life Sciences 2. Evolutionary Human Physiology and Anatomy

Mathematics 153. Mathematical Biology-Evolutionary Dynamics

Mathematics 243 (formerly Mathematics 234). Evolutionary Dynamics

MCB 291. Genetics, Genomics and Evolutionary Biology

Graduate Courses of Reading and Research

***OEB 303. Theoretical Population Genetics**

Catalog Number: 4248

John R. Wakeley 5680

***OEB 304. Mycology**

Catalog Number: 4702

Donald H. Pfister 4344



***OEB 305. The Fundamental Interconnectedness of All Things**

Catalog Number: 3647

David A. Haig 1629 (on leave 2009-10)

***OEB 307. Biomechanics, Physiology and Musculoskeletal Biology**

Catalog Number: 2831

Andrew A. Biewener 1446

***OEB 308. Evolution of Floral Developmental Mechanisms**

Catalog Number: 5535

Elena M. Kramer 3791

***OEB 310. Metazoan Systematics**

Catalog Number: 3975

Gonzalo Giribet 3854

***OEB 311. Ecosystem Ecology**

Catalog Number: 6416

Paul R. Moorcroft 4174

***OEB 313. Paleobiological Approaches to Evolution and Ecology**

Catalog Number: 6679

Charles R. Marshall 2823

***OEB 320. Biomechanics and Evolution of Vertebrates**

Catalog Number: 8915

George V. Lauder 2375

***OEB 323. Advanced Vertebrate Anatomy**

Catalog Number: 8188

Farish A. Jenkins, Jr. 3558 (on leave spring term)

***OEB 324. Molecular Evolution**

Catalog Number: 2356

Daniel L. Hartl 3278

***OEB 325. Marine Biology**

Catalog Number: 4643

Robert M. Woollacott 4135

***OEB 334. Behavioral Ecology**

Catalog Number: 8279

Naomi E. Pierce 2889

[*OEB 335. Ichthyology and Functional Anatomy of Fishes]

Catalog Number: 4640



Instructor to be determined

Note: Expected to be given in 2010–11.

***OEB 339. Whole-Plant Physiology**

Catalog Number: 5214

N. Michele Holbrook 1220

***OEB 341. Coevolution**

Catalog Number: 2998

Brian D. Farrell 1985

***OEB 343. Microbial Ecology and Symbiosis**

Catalog Number: 1288

Colleen M. Cavanaugh 2538

***OEB 345. Biological Oceanography**

Catalog Number: 4676

James J. McCarthy 4343 (on leave 2009-10)

***OEB 355. Evolutionary Developmental Biology**

Catalog Number: 9192

James Hanken 2719

***OEB 357. Population Biology and Mathematical Biology**

Catalog Number: 5392

William H. Bossert 1049

***OEB 359. Paleobotany**

Catalog Number: 0248

Andrew H. Knoll 7425

***OEB 360. Plant Biophysics**

Catalog Number: 8421

Jacques Dumais 4719

***OEB 361. Somatic Evolution of Cancer**

Catalog Number: 5791

Martin A. Nowak 4568

***OEB 362. Research in Molecular Evolution**

Catalog Number: 2367

Scott V. Edwards 5049

***OEB 363. Plant Diversity and Evolution**

Catalog Number: 0001

Charles C. Davis 5263



***OEB 364. Ecological Physiology of Microbes**

Catalog Number: 0002

Peter R. Girguis 5264

***OEB 365. Evolution of Microbes**

Catalog Number: 0003

Christopher J. Marx 5265

***OEB 366. Ecological Genetics and Mycology**

Catalog Number: 0004

Anne Pringle 5266

***OEB 367. Evolutionary and Ecological Diversity**

Catalog Number: 0420

Jonathan Losos 5449

***OEB 368. Oral Developmental Biology**

Catalog Number: 7087

Arkhat Abzhinov 5597

***OEB 369. Molecular Genetics of Neuroscience**

Catalog Number: 5175

Yun Zhang 5780

***OEB 370. Mammalian Evolutionary Genetics**

Catalog Number: 3072

Hopi E. Hoekstra 5814

***OEB 371. Comparative and Evolutionary Invertebrate Developmental Biology**

Catalog Number: 7188

Cassandra G. Extavour 6035

***OEB 372. Neural Basis of Learned Motor Behaviors**

Catalog Number: 8438

Bence P. Olveczky 6003

***OEB 373. Plant Population Biology - (New Course)**

Catalog Number: 34452

Kirsten Bomblies 6337

***OEB 399. Topics in Organismic and Evolutionary Biology**

Catalog Number: 0764

Colleen M. Cavanaugh 2538

Half course (fall term). W., 5-7 pm.

Presents the research interests and experiences of scientists in organismic and evolutionary



biology. Specific topics treated vary from year to year.

Note: Required of all first-year graduate students in Organismic and Evolutionary Biology.

Philosophy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Philosophy

Sean D. Kelly, Professor of Philosophy (*Chair*)

Selim Berker, Assistant Professor of Philosophy (*on leave 2009-10*)

Matthew Boyle, Assistant Professor of Philosophy

Cheryl K. Chen, Lecturer on Philosophy (*spring term only*)

Peter Godfrey-Smith, Professor of Philosophy

Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic

Güven Güzeldere, Visiting Associate Professor of Philosophy

Edward J. Hall, Professor of Philosophy (*Head Tutor*)

Frances Kamm, Professor of Philosophy

Peter Koellner, John L. Loeb Associate Professor of the Humanities

Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*Director of Graduate Studies*)

Douglas Lavin, Associate Professor of Philosophy

Jeffrey K. McDonough, Assistant Professor of Philosophy

Richard Moran, Brian D. Young Professor of Philosophy

Bernhard Nickel, Assistant Professor of Philosophy

Derek Parfit, Visiting Professor of Philosophy (*All Souls College, Oxford*) (*spring term only*)

Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity

Amartya Sen, Lamont University Professor

Tommie Shelby, Professor of African and African American Studies and of Philosophy (*on leave 2009-10*)

Susanna Siegel, Professor of Philosophy

Alison Simmons, Samuel H. Wolcott Professor of Philosophy

Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics (*on leave spring term*)

Other Faculty Offering Instruction in Philosophy

Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave fall term*)



Primarily for Undergraduates

Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

Bernhard Nickel

Half course (fall term). M., W., (F.), at 1;. EXAM GROUP: 6

This course offers an introduction to philosophy. We will focus on the three main areas of concern: epistemology (the theory of knowledge), metaphysics (the theory of the nature of reality), and ethics (the theory of what we ought to do). You'll be exposed to philosophical modes of argument and inquiry. The course aims as much at developing the skills involved in pursuing these and other philosophical concerns as to acquaint you with particular positions.

Philosophy 8. Introduction to Early Modern Philosophy

Catalog Number: 8947

Alison Simmons

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

A survey of 17th- and 18th-century philosophy with a focus on the major metaphysical and epistemological writings of Descartes, Locke, Hume, and Kant. Topics include the natures of mind and body, the physical world, freedom, and human knowledge. Special attention to the rise of mechanistic science (i.e. the "Scientific Revolution").

***Philosophy 91r. Supervised Reading and Research**

Catalog Number: 9710

Edward J. Hall

Half course (fall term; repeated spring term). Hours to be arranged.

Graded independent study under faculty supervision. Interested students need approval of head tutor for their topic and must propose a detailed syllabus before the beginning of term.

***Philosophy 97. Tutorial - I**

Catalog Number: 2435

Edward J. Hall

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of all sophomore concentrators, and for the secondary field in philosophy.

***Philosophy 98hf. Tutorial — Junior Year**

Catalog Number: 5533

Edward J. Hall

Half course (throughout the year). Hours to be arranged. EXAM GROUP: Fall: 16, 17

Note: Required of all junior concentrators.

***Philosophy 99. Tutorial — Senior Year**

Catalog Number: 4396

Edward J. Hall and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Cross-listed Courses



[**Culture and Belief 14. Human Being and the Sacred in the History of the West**]
[Culture and Belief 31 \(formerly Philosophy 19\). Saints, Heretics, and Atheists: An Historical Introduction to the Philosophy of Religion](#)
[Ethical Reasoning 11. Human Rights: A Philosophical Introduction](#)
[Moral Reasoning 33. Issues in Ethics](#)
[**Moral Reasoning 56. Self, Freedom, and Existence**]
[Moral Reasoning 66. Moral Reasoning about Social Protest](#)
[Quantitative Reasoning 22. Deductive Logic](#)

For Undergraduates and Graduates

***Philosophy 103. Plato's Epistemology and Metaphysics: Proseminar**

Catalog Number: 9459

Gisela Striker

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The development of Plato's epistemological and metaphysical views from the *Meno* to the *Theaetetus*. Texts will be: *Laches*, *Meno*, *Phaedo*, *Parmenides* part I, and *Theaetetus*.

Philosophy 120. The Rationalists

Catalog Number: 2512

Jeffrey K. McDonough

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A study of some central topics in the works of Descartes, Spinoza and Leibniz, with primary emphasis on their contributions to metaphysics and epistemology.

Philosophy 131. Hegel and Kant - (New Course)

Catalog Number: 48358

Matthew Boyle

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

An approach to some of Hegel's central philosophical ideas through a consideration of his reactions to the work of his great predecessor, Immanuel Kant. Themes to include: the contributions of reason and the senses to human cognition, the relation between logic and metaphysics, the contrast between "transcendental" and "absolute" idealism, the idea of life.

Philosophy 137. The Later Philosophy of Wittgenstein

Catalog Number: 3360

Warren Goldfarb

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

A close reading of Ludwig Wittgenstein's *Philosophical Investigations*, focusing on its treatments of the topics of meaning, reference, rule-following, cognition, perception, "the private mental realm" knowledge, scepticism, and the nature of philosophy. Attention to Wittgenstein's philosophical methodology, with its claim to dissolve philosophical problems rather than propose solutions to them.

Philosophy 139x. Heidegger: Being and Time - (New Course)

Catalog Number: 63465



Sean D. Kelly

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A careful reading of Martin Heidegger's magnum opus *Being and Time*.

Philosophy 144. Logic and Philosophy

Catalog Number: 1111

Warren Goldfarb

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Three philosophically important results of modern logic: Gödel's incompleteness theorems; Turing's definition of mechanical computability; Tarski's theory of truth for formalized languages. Discusses both mathematical content and philosophical significance of these results.
Prerequisite: Some knowledge of deductive logic.

Philosophy 149y. Philosophy and the Exact Sciences: Aristotle to Newton - (New Course)

Catalog Number: 11943

Peter Koellner

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This is the first in a two-part series of courses dealing with the history of the relationship between philosophy and the exact sciences. We shall begin with a brief tour of philosophy and science from Aristotle to Copernicus. Our focus will then be on the major achievements of the seventeenth century. The principle figures will be Kepler, Galileo, Descartes, Huygens, Leibniz, and Newton.

Philosophy 151z. Philosophy of Quantum Mechanics

Catalog Number: 5465

Edward J. Hall

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A crowning achievement of 20th century science, quantum mechanics is also bizarre enough to lead intelligent people to claim that the universe perpetually splits into many copies of itself, that conscious minds can make physical systems "jump" unpredictably, that classical logic must be revised, that there is no objective reality, and much, much more. We will separate the wheat of genuine mystery from the chaff of philosophical confusion. No prior knowledge of quantum mechanics required.

Philosophy 152. Philosophy of Biology

Catalog Number: 3367

Peter Godfrey-Smith

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

Conceptual issues in evolutionary biology. Topics will include natural selection, biological kinds, and the role of evolution in explaining social behaviors such as cooperation and communication.

Philosophy 156. Philosophy of Mind

Catalog Number: 3410

Peter Godfrey-Smith

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15



The mind-body problem and proposed solutions to it, including dualism, behaviorism, identity theories, and functionalism. Theories of consciousness, subjective experience, and the mind's representation of the world. Consideration of how recent work in psychology relates to the philosophical debates.

Philosophy 158z. Philosophy of Psychology - (New Course)

Catalog Number: 93679

Sean D. Kelly

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Central topics in philosophy of psychology organized around two motivating questions. What conceptual or methodological presuppositions go unquestioned in contemporary psychological work? What kinds of empirical results are relevant to philosophical issues concerning the nature of the mind? The course will involve a lab practicum.

Note: Qualifies as an MBB junior seminar.

Philosophy 168. Kant's Ethical Theory

Catalog Number: 8361

Christine M. Korsgaard

Half course (fall term). M., W., (F.), at 12. EXAM GROUP: 5

A study of Kant's moral philosophy, based primarily on the *Groundwork of Metaphysics of Morals*, the *Critique of Practical Reason*, and *The Metaphysics of Morals*.

Note: This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning or the Core area requirement for Moral Reasoning.

Philosophy 174. Recent Ethical Theory

Catalog Number: 3266

Christine M. Korsgaard

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

A study of some major recent philosophical theories of ethics, chosen from among the works of Blackburn, Darwall, Gibbard, Korsgaard, Nagel, Scanlon, Thompson, and others.

Note: This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning. This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

***Philosophy 176q. Moral Psychology: Proseminar - (New Course)**

Catalog Number: 72371

Douglas Lavin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An investigation of central topics in moral psychology, including promising, love, and honor. Historical and contemporary readings, including Hume, Rousseau, Rawls, Anscombe, Nagel, Frankfurt.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Philosophy 178. Equality and Democracy

Catalog Number: 7653



Thomas M. Scanlon, Jr.

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

When is economic inequality morally objectionable, and why? What kind of equality is required by just political institutions? A critical examination of some answers to these questions offered by contemporary philosophers, with special attention to the work of John Rawls.

Note: This course, when taken for letter grade, meets the General Education requirement for Ethical Reasoning or the Core area requirement for Moral Reasoning. This course, when taken for a letter grade, meets the General Education requirement for Ethical Reasoning.

Philosophy 187. Aesthetics

Catalog Number: 2594

Richard Moran

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

An examination of some texts of philosophical aesthetics from the 18th and 19th centuries, texts which either represent or anticipate the Romantic period. Themes include the role of emotion in art, the nature of expression and its relation to the will, problems of sincerity, and art or poetry as sources of knowledge. Readings will include some, but probably not all, of the following authors: Diderot, Schiller, Burke, Kant, Hume, Hegel, Lessing, Rousseau.

Cross-listed Courses

Greek 110r. Plato, *Symposium*

History of Science 106. History of Ancient Science

Latin 131. Cicero, *De Officiis*

Mathematics 141. Introduction to Mathematical Logic

***Psychology 1357. Puzzles of the Mind: Humans, Animals, Robots: Seminar - (New Course)**

Primarily for Graduates

***Philosophy 220. Descartes: Seminar - (New Course)**

Catalog Number: 81277

Jeffrey K. McDonough and Alison Simmons

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A detailed study of Descartes' *Meditations on First Philosophy*.

***Philosophy 234. Dewey: Seminar - (New Course)**

Catalog Number: 29755

Peter Godfrey-Smith

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Examination of Dewey's epistemology, metaphysics, metaphilosophy, and theory of value.

***Philosophy 239y. Self-Consciousness & Self-Knowledge: Seminar - (New Course)**

Catalog Number: 20849

Matthew Boyle

Half course (fall term). W., 4–6. EXAM GROUP: 9

Survey of puzzles raised by our capacity to think of ourselves "as subject, not mere object," and



to know aspects of our condition "immediately and without observation". Readings from Anscombe, Shoemaker, Perry, Evans, Burge, etc.

***Philosophy 245q. Quine: Seminar - (New Course)**

Catalog Number: 11689

Warren Goldfarb

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examination of the works of W. V. Quine, especially *Word and Object*. Focus on his systematic approach to ontology, knowledge, logic, language, and science; with evaluation of the "naturalism" in philosophy that he urged.

***Philosophy 248. Topics in the Philosophy of Mathematics: Seminar - (New Course)**

Catalog Number: 87478

Peter Koellner

Half course (fall term). M., 2–4; M., 4–6. EXAM GROUP: 7, 8

Mathematical objects and knowledge of mathematical truths. We will start with weak systems of arithmetic and work through more complex systems, to systems involving the infinite in a substantive way. Focus on contemporary authors.

***Philosophy 253z. Philosophy of Mind and Perception: Seminar - (New Course)**

Catalog Number: 35956

Susanna Siegel

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

Topics may include: cross-modal perception; whole-body illusions; temporal experience; the nature of perceptual contact with the world; the relationship between perceptual experiences and other cognitive states, such as mood, emotion, belief, and desire.

***Philosophy 270. Practical Reason and Ethics: Seminar**

Catalog Number: 8587

Derek Parfit (*All Souls College, Oxford*) and Thomas M. Scanlon, Jr.

Half course (spring term). W., 4–6. EXAM GROUP: 9

Recent work dealing with normativity, reasons, rationality, morality, and relations between them.

***Philosophy 291. Philosophy, Psychiatry and Literature: Seminar (Graduate Seminar in General Education) - (New Course)**

Catalog Number: 96384

Alison Simmons and Louis Menand

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Issues in contemporary psychiatry: personality and identity; medicalization of personality differences; mind/brain distinctions; etc. How philosophy and literature can illuminate these questions. The seminar will develop a General Education course on these themes for undergraduates.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Christine M. Korsgaard and members of the Department



Half course (throughout the year). Hours to be arranged.

Note: Required of candidates for the AM or PhD in Philosophy. Consult the Department's Supplement to the General Announcement for details.

Cross-listed Courses

[**Economics 2057. Rationality and Choice**](#)

[**Economics 2085. Economics of Inequality and Poverty - \(New Course\)**](#)

[***History of Science 207r. Science, Philosophy and Religion in the Middle Ages and The Renaissance: Seminar - \(New Course\)**](#)

[**History of Science 297r. Topics in the History of Medieval Latin Science**](#)

Graduate Courses of Reading and Research

***Philosophy 300a. Colloquium**

Catalog Number: 5615

Edward J. Hall 5324 and Alison Simmons 1300

Full course (fall term). Hours to be arranged.

An intensive study—in small, informal seminars—of selected problems in contemporary philosophy.

Note: Limited to first-year graduate students in the Department.

***Philosophy 300b. Colloquium**

Catalog Number: 6280

Matthew Boyle 5279

Half course (spring term). Hours to be arranged.

Continuation of Philosophy 300a.

***Philosophy 303. Colloquium: Dissertation Presentations**

Catalog Number: 1089

Susanna Siegel 2441

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 305. Individual Reading and Research**

Catalog Number: 4462

Selim Berker 5514 (on leave 2009-10), Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm 4280, Sean D. Kelly 5515, Peter Koellner 4680, Christine M. Korsgaard 2994, Douglas Lavin 5091, Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Tommie Shelby 3863 (on leave 2009-10), Susanna Siegel 2441, Alison Simmons 1300, and Gisela Striker 2271 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

Selim Berker 5514 (on leave 2009-10), Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren



Goldfarb 4499, Edward J. Hall 5324, Frances Kamm 4280, Sean D. Kelly 5515, Peter Koellner 4680, Christine M. Korsgaard 2994, Douglas Lavin 5091, Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Tommie Shelby 3863 (on leave 2009-10), Susanna Siegel 2441, Alison Simmons 1300, and Gisela Striker 2271 (on leave spring term)

Small seminars on specialized topics, arranged by members of the Department in consultation with suitably prepared graduate students. Seminars will be listed individually with numbers from 311 through 398.

***Philosophy 311. Workshop in Moral and Political Philosophy**

Catalog Number: 5370

Christine M. Korsgaard 2994 and Thomas M. Scanlon, Jr. 7986

Half course (fall term; repeated spring term). M., 4–6.

A forum for the presentation and discussion of work in progress by students in moral and political philosophy. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 312. Workshop in Metaphysics and Epistemology**

Catalog Number: 0576

Matthew Boyle 5279, Cheryl K. Chen 5585 (spring term only), Peter Godfrey-Smith 3338, Bernhard Nickel 5516, and Susanna Siegel 2441

Half course (fall term; repeated spring term). M., 2–4.

A forum for the presentation and discussion of work in progress by students in metaphysics and epistemology. Open only to graduate students in the Philosophy Department or by invitation of the instructors.

***Philosophy 315hf. Instructional Styles in Philosophy**

Catalog Number: 9781

Edward J. Hall 5324 and Alison Simmons 1300

Half course (throughout the year). Hours to be arranged.

Course is required for graduate students in their first year of teaching; optional for students in their second year of teaching.

***Philosophy 320. Philosophy in Translation: Latin - (New Course)**

Catalog Number: 44862

Jeffrey K. McDonough 5280

Half course (fall term). .

A close reading of philosophical texts in their original Latin language with the aim of developing reading and translation skills.

***Philosophy 321. Philosophy in Translation: German**

Catalog Number: 62088

Matthew Boyle 5279

Half course (spring term). M., at 3.

A close reading of philosophical texts in their original German language with the aim of developing reading and translation skills.



***Philosophy 333. Preparation for the Topical Examination**

Catalog Number: 1967

Selim Berker 5514 (on leave 2009-10), Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm 4280, Sean D. Kelly 5515, Peter Koellner 4680, Christine M. Korsgaard 2994, Douglas Lavin 5091, Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Tommie Shelby 3863 (on leave 2009-10), Susanna Siegel 2441, Alison Simmons 1300, and Gisela Striker 2271 (on leave spring term)

Required in both fall and spring terms of all third-year graduate students in the Department.

***Philosophy 399. Direction of Doctoral Dissertations**

Catalog Number: 3283

Selim Berker 5514 (on leave 2009-10), Matthew Boyle 5279, Peter Godfrey-Smith 3338, Warren Goldfarb 4499, Edward J. Hall 5324, Frances Kamm 4280, Sean D. Kelly 5515, Peter Koellner 4680, Christine M. Korsgaard 2994, Douglas Lavin 5091, Jeffrey K. McDonough 5280, Richard Moran 1786, Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Tommie Shelby 3863 (on leave 2009-10), Susanna Siegel 2441, Alison Simmons 1300, and Gisela Striker 2271 (on leave spring term)

Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics

Christopher Stubbs, Harvard College Professor, Professor of Physics and of Astronomy (*Chair*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics

Eugene A. Demler, Professor of Physics (*on leave spring term*)

Frederik Denef, Associate Professor of Physics

Michael Manish Desai, Assistant Professor of Organismic and Evolutionary Biology and of Physics

John M. Doyle, Professor of Physics

Gary J. Feldman, Frank B. Baird, Jr. Professor of Science

Douglas Finkbeiner, Assistant Professor of Astronomy and of Physics

Melissa Franklin, Mallinckrodt Professor of Physics (*Director of Graduate Studies*) (*on leave spring term*)

Gerald Gabrielse, George Vasmer Leverett Professor of Physics

Peter L. Galison, Joseph Pellegrino University Professor (*on leave 2009-10*)



Howard Georgi, Harvard College Professor, Mallinckrodt Professor of Physics (*Director of Undergraduate Studies*)
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics (*on leave fall term*)
 Markus Greiner, Assistant Professor of Physics
 Joao Pedro Guimaraes da Costa, Assistant Professor of Physics
 Bertrand I. Halperin, Hollis Professor of Mathematics and Natural Philosophy
 Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics
 Thomas C. Hayes, Lecturer on Physics
 Eric J. Heller, Abbott and James Lawrence Professor of Chemistry and Professor of Physics (*on leave fall term*)
 Jennifer E. Hoffman, Assistant Professor of Physics
 Paul Horowitz, Professor of Physics and of Electrical Engineering
 John Huth, Donner Professor of Science
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Efthimios Kaxiras, John Hasbrouck Van Vleck Professor of Pure and Applied Physics (*on leave 2009-10*)
 Erel Levine, Assistant Professor of Physics
 Mikhail D. Lukin, Professor of Physics (*on leave spring term*)
 Vinodhan N. Manoharan, Assistant Professor of Chemical Engineering and of Physics, Associate Professor of Chemical Engineering and of Physics
 Charles M. Marcus, Professor of Physics (*on leave 2009-10*)
 Eric Mazur, Balkanski Professor of Physics and Applied Physics
 Logan S. McCarty, Lecturer on Chemistry and Chemical Biology, Lecturer on Physics
 Masahiro Morii, Professor of Physics
 David J. Morin, Lecturer on Physics (*Assistant Director of Undergraduate Studies*)
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics (*on leave fall term*)
 Hongkun Park, Professor of Chemistry and Chemical Biology and of Physics
 Peter S. Pershan, Frank B. Baird, Jr. Professor of Science
 Mara Prentiss, Mallinckrodt Professor of Physics (*on leave fall term*)
 Lisa Randall, Frank B. Baird, Jr. Professor of Science
 Subir Sachdev, Professor of Physics (*on leave spring term*)
 Aravinthan D. T. Samuel, Associate Professor of Physics
 Matthew D. Schwartz, Assistant Professor of Physics
 Irwin I. Shapiro, Timken University Professor
 Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences
 Andrew Strominger, Gwill E. York Professor of Physics
 Cumrun Vafa, Donner Professor of Science
 Ronald L. Walsworth, Senior Lecturer on Physics
 David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
 Robert M. Westervelt, Mallinckrodt Professor of Applied Physics and of Physics
 Tai T. Wu, Gordon McKay Professor of Applied Physics and Professor of Physics



Amir Yacoby, Professor of Physics

Xi Yin, Assistant Professor of Physics (*on leave spring term*)

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics (*on leave 2009-10*)

Other Faculty Offering Instruction in Physics

Gerald Holton, Mallinckrodt Professor of Physics and Professor of the History of Science, Emeritus

Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*) (*fall term only*)

Logan S. McCarty, Lecturer on Chemistry and Chemical Biology, Lecturer on Physics

There are three separate calculus-based sequences of courses covering introductory physics: Physical Sciences 1, 2, and 3 and Physics 11a, 11b, or at the intermediate calculus level, Physics 15a, 15b, 15c. Each of the three sequences is designed to be a self-contained treatment of classical physics.

Students who expect to concentrate in physics or one of the other sciences in which physics plays a major role will usually take the Physics 15 sequence followed by Physics 143a, b. Students with excellent high-school preparation may begin the Physics 15 sequence taking Physics 16 instead of Physics 15a. Physics 16 is a course in mechanics and special relativity specifically designed for students who have done well in a high-school advanced placement course.

Physical Sciences 1, 2, and 3 present an introductory treatment of college physics and chemistry in 3 semesters. The courses will be thematically driven, with the themes being related to major societal issues and/or biological systems where appropriate. The Physical Sciences sequence is designed to meet 2 semesters of the physics as well as 1 semester of the chemistry required by all medical schools, and is intended to teach physical concepts in a way that is immediately relevant to students in the life sciences.

Most medical schools also accept the Physics 15 or Physics 11 sequences. Premedical students should inquire at the medical schools to which they expect to apply. Students who do not intend to take advanced courses in the mathematical sciences, and especially those concentrating in biology or biochemistry, may find that the Physical Sciences 1, 2, and 3 sequence covers a broader range of subject matter, and might more appropriately serve their needs than Physics 11a and 11b.

Further details may be found under the individual course headings.

Primarily for Undergraduates

[Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences](#)

Catalog Number: 2225

Hongkun Park and Adam E. Cohen

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3



Physical Sciences 1 engages the principles of chemistry and physics within major conceptual themes that underpin critical contributions of the physical sciences to societal objectives. In particular, the concepts central to chemical bonding, kinetic theory of molecular motion, thermochemistry, kinetics, equilibria, entropy and free energy, acids and bases, electrochemistry, and nuclear chemistry will be taught in the context of (1) world energy sources, forecasts and constraints, (2) global climate change, and (3) modern materials and technology.

Note: This course is part of an integrated introduction to the physical science intended for students who plan to pursue a concentration in the physical or life sciences and/or satisfy pre-medical requirements in Chemistry. May not be counted toward a degree in addition to the former Chemistry 7. Students interested in Physical Sciences 1 should take the Chemistry Placement Exam. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A. *Prerequisite:* A few operations of calculus are developed and used. Fluency in pre-calculus secondary school mathematics is assumed. Students are expected to have AP or honors level high school chemistry, or have completed Life and Physical Sciences A (LPS A) with a satisfactory grade.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion

Catalog Number: 6053

Logan S. McCarty and Vinothan N. Manoharan

Half course (fall term). Tu., Th., 9:30-11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problem set questions will be drawn from the life sciences and medicine.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Circuits, Waves, Optics, and Imaging

Catalog Number: 5262

John Huth, Timothy A. French, and Sang-Joon Pahk

Half course (spring term). Tu., Th., 9:30-11, and a weekly section and lab to be arranged. EXAM GROUP: 11, 12

This course is an introduction to electromagnetism, digital information, waves, optics and sound. Topics covered include: electric and magnetic fields, electrical potential, circuits, simple digital circuits, wave propagation in various media, microscopy, sound and hearing. The course will draw upon a variety of applications to the biological sciences and will use real-world examples to illustrate many of the physical principles described. There are six laboratories.

Note: This course is part of an integrated introduction to the physical sciences intended for students who plan to pursue a concentration in the life sciences and/or satisfy pre-medical requirements in Physics. May not ordinarily be taken for credit in addition to Physics 1b, 11b, or



15b. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

Physics 11a. Mechanics

Catalog Number: 3131

Joao Pedro Guimaraes da Costa and Markus Greiner

Half course (fall term). Tu., Th., 11:30-1; and a weekly 90-minute section to be arranged. EXAM GROUP: 13, 14

Physics 11a is the first half of a one-year physics sequence. It introduces classical mechanics, including the laws of conservation of energy, momentum, and angular momentum; translational motion of particles, rigid bodies, and fluids; rotational motion of rigid bodies; and description of waves. Physics 11a may be taken by students who have taken or who are concurrently taking Math 1b. Calculus is used routinely but the emphasis is placed on the basic concepts.

Note: Physics 11a may not be taken for credit by students who have passed Physics 15a or 16. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

Gary J. Feldman and Markus Greiner

Half course (spring term). Tu., Th., 9:30–11. EXAM GROUP: 11, 12

Physics 11b is the second half of a one-year physics sequence. It covers the basic phenomena of electricity and magnetism, elements of circuits with selected applications, Maxwell's equations, electromagnetic waves, and optics.

Note: May not be taken for credit by students who have passed Physics 15b or Physics 15c. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physics 11a; Mathematics 1b. Additionally, some elementary ideas from multivariable calculus will be used and students are encouraged to take Mathematics 19a, 21a or Applied Mathematics 21a concurrently.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984

David J. Morin (fall term) and Aravinthan D. T. Samuel (spring term)

Half course (fall term; repeated spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Newtonian mechanics and special relativity. Topics include vectors; kinematics in three dimensions; Newton's laws; force, work, power; conservative forces, potential energy; momentum, collisions; rotational motion, angular momentum, torque; static equilibrium, oscillations, simple harmonic motions; gravitation, planetary motion; fluids; special relativity.

Note: Laboratory sessions may be arranged. This course, when taken for a letter grade, meets the



General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.

Prerequisite: Mathematics preparation at least at the level of Mathematics 1b concurrently is required. However, some elementary ideas from multivariable calculus may be used and students are encouraged to take Mathematics 21a concurrently.

Physics 15b. Introductory Electromagnetism

Catalog Number: 2701

Frederik Denef (fall term) and Masahiro Morii (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30-1; Spring: Tu., Th., 11:30-1.

EXAM GROUP: 13, 14

Electricity and magnetism at the level of Purcell's book. Covers all topics in Purcell including Maxwell's equations in differential form and electric and magnetic fields in materials.

Note: Laboratory experiments associated with the class will be done in the Science Center. There are four labs requiring three hours each, and one introductory laboratory session that is less than one hour. The labs support the material presented in the lectures and the text. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.

Prerequisite: Physics 15a, Physics 16, or written permission of the Head Tutor in Physics.

Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Vector calculus, div, grad and curl are used extensively—in principle, this is taught in the course. Students taking Mathematics 21a concurrently will likely find that some concepts are introduced in Physics 15b before they have seen them in Mathematics 21a. Some students may wish to postpone Physics 15b until they have completed Mathematics 21a.

Physics 15c. Wave Phenomena

Catalog Number: 8676

Masahiro Morii (fall term) and David J. Morin (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Forced oscillation and resonance; coupled oscillators and normal modes; Fourier series; Electromagnetic waves, radiation, longitudinal oscillations, sound; traveling waves; signals, wave packets and group velocity; two- and three-dimensional waves; polarization; geometrical and physical optics; interference and diffraction. Optional topics: Water waves, holography, x-ray crystallography. Solitons.

Note: The Laboratory section of the course will be taught at the Science Center. The labs will be carried out in 3-hour sessions once a week for up to 8 weeks during the semester. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.



Prerequisite: Physics 15a, Physics 15b, or written permission of the Head Tutor in Physics. Mathematics preparation at least at the level of Mathematics 21b taken concurrently is required. Some prior knowledge of complex numbers (for example as taught in Mathematics 1b) is helpful. Linear algebra and differential equations are used extensively. Students taking Mathematics 21b concurrently will likely find that some concepts are introduced in Physics 15c before they have seen them in Mathematics 21b. Some students may wish to postpone Physics 15c until they have completed Mathematics 21b.

Physics 16. Mechanics and Special Relativity

Catalog Number: 2019

Howard Georgi

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Newtonian mechanics and special relativity for students with good preparation in physics and mathematics at the level of the advanced placement curriculum. Topics include oscillators damped and driven and resonance (how to rock your car out of a snow bank or use a swing), an introduction to Lagrangian mechanics and optimization, symmetries and Noether's theorem, special relativity, collisions and scattering, rotational motion, angular momentum, torque, the moment of inertia tensor (dynamic balance), gravitation, planetary motion, and a quantitative introduction to some of the mind-bending ideas of modern cosmology like inflation and dark energy.

Note: Laboratory sessions may be arranged. Emphasis is placed on collaborative teaching and learning. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both. This course, when taken for a letter grade, meets the Core area requirement for Science A. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or Empirical and Mathematical Reasoning, but not both.

Prerequisite: Score of 5 on the mechanics section of the Physics C Advanced Placement exam, or equivalent. Mathematics preparation at least at the level of Mathematics 21a taken concurrently is required. Thorough knowledge of calculus of one variable and vectors plus some mathematical sophistication. The mathematical level will be significantly higher than that of Physics 15a.

***Physics 90r. Supervised Research**

Catalog Number: 2460

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Primarily for selected concentrators in Physics, or in Chemistry and Physics, who have obtained honor grades in Physics 15 and a number of intermediate-level courses. The student must be accepted by some member of the faculty doing research in the student's field of interest. The form of the research depends on the student's interest and experience, the nature of the particular field of physics, and facilities and support available. Students wishing to write a senior thesis can do so by arranging for a sponsor and enrolling in this course.

Note: A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department Web page. Course enrollment forms may be obtained from Lyman 233.



***Physics 91r. Supervised Reading Course for Undergraduates**

Catalog Number: 1218

David J. Morin and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to selected concentrators in Physics, Chemistry and Physics, and other fields who wish to do supervised reading and studying of special topics in physics. Ordinarily such topics do not include those covered in a regular course of the Department. Honor grades in Physics 15 and a number of intermediate-level courses are ordinarily required. The student must be accepted by a member of the faculty.

Note: A list of possible faculty sponsors and their fields is available in Lyman 233 and on the Physics Department's website. Course enrollment forms may be obtained from Lyman 233.

***Physics 95. Topics in Current Research**

Catalog Number: 2806 Enrollment: Limited to 10.

Eric Mazur

Half course (fall term). Tu., 6-7:30 p.m., W., 7:30-9 p.m., Th., 7-8:30 p.m.

The goal of this tutorial is to guide students from learning physics by subject (E&M, quantum mechanics, etc.) to appreciating physics as an intense, diverse discipline of modern research. Every Wednesday evening a faculty member speaks on his/her area of research, preceded by assigned reading and a lecture designed to introduce students to some of the basic physics, as well as important developments and burning problems at the frontiers of research.

Note: Primarily for junior and senior concentrators. Consult instructor for course schedule.

Cross-listed Courses

Science A-29. The Nature of Light and Matter

Science A-39. Time

Science of the Physical Universe 13 (formerly Science A-49). The Physics of Music and Sound

For Undergraduates and Graduates

Certain physics courses are offered in several other departments. See especially the offerings of the Division of Engineering and Applied Sciences.

[Physics 120 (formerly Physics 121). History and Philosophy of Modern Physics]

Catalog Number: 0160

Instructor to be determined

Half course (spring term). Hours to be arranged.

Philosophical questions raised by historical developments in 20th and 21st century physics, and conversely, historical-scientific questions raised by philosophical inquiry. Special and general relativity. Issues in quantum mechanics surrounding causality, determinism, realism, and probabilism. Atomic and thermonuclear weapons. Growth of large-scale experimental high-energy physics. What is meant by "unified" field theories? Is a reductionist theory of nature possible? Rise of string theory and nanosciences. Readings: scientific, historical, and philosophical texts.



Note: Expected to be given in 2010–11. May not be taken for credit by students who have taken History of Science 120.

Prerequisite: An introductory course in college physics, preferably at the level of Physics 15c.

Physics 123. Laboratory Electronics

Catalog Number: 0864 Enrollment: Limited to 22 students per section.

Paul Horowitz and Thomas C. Hayes

Half course (fall term; repeated spring term). Section I: Tu., Th., 1:30-5; Section II: W., F., 1:30-5. EXAM GROUP: Fall: 6, 7, 8, 9; Spring: 6, 7, 8

A lab-intensive introduction to electronic circuit design. Develops circuit intuition and debugging skills through daily hands-on lab exercises, each preceded by class discussion, with minimal use of mathematics and physics. Moves quickly from passive circuits, to discrete transistors, then concentrates on operational amplifiers, used to make a variety of circuits including integrators, oscillators, regulators, and filters. The digital half of the course treats analog-digital interfacing, emphasizes the use of microcontrollers and programmable logic devices (PLDs).

Note: Regardless of section choice, all students must attend first course meeting on 9/02/09 or 1/26/10 at 1:30 in Science Center 206. This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Physics 125. Widely Applied Physics

Catalog Number: 6990

Ronald L. Walsworth

Half course (spring term). M., W., 12-1:30. EXAM GROUP: 5, 6

Applies elementary physics to real things and practical situations. Emphasis is on developing physical intuition and the ability to do order-of-magnitude calculations. New physical concepts are introduced as necessary. Example topics: the Big Bang, stars, nuclear reactions, and searches for extra-solar planets; aerodynamics, rockets and spacecraft; materials properties; electronic noise, lasers, and the global positioning system; magnetic resonance imaging, physiology of major organs, and health risks; energy use and production; climate and global change.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of the Physical Universe or the Core area requirement for Science A.

Prerequisite: Physics 15a, b, c, and mathematics at the level of Mathematics 21a (which may be taken concurrently). Physics 143a and 181 helpful, but not required.

Physics 129. Energy Science - (New Course)

Catalog Number: 42157

Lene V. Hau

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Non-fossil energy sources and energy storage are important for our future. We cover four main subjects to which students with a background in physics and physical chemistry could make paradigm changing contributions: photovoltaic cells, nuclear power, batteries, and photosynthesis. Fundamentals of electrodynamics, statistical/thermal physics, and quantum mechanics are taught as needed to give students an understanding of the topics covered.



Prerequisite: Physics 15a (or 16), 15b,c or 11a,b. Pre/co-requisite Physics 143a or Chemistry 160 or equivalent.

Physics 136. Physics of NMR Imaging with Medical Applications (formerly Physics of Medical Imaging)

Catalog Number: 0182

Andrew J. M. Kiruluta (Medical School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Presents the physics of spin excitation and manipulation in nuclear magnetic resonance (NMR) experiments with extensions to tomographic medical imaging and biochemical spectroscopy. We explore the principles underlying the imaging of static spins via k-space and of dynamic spins (diffusion and flow) via q-space in NMR microscopy. The principles developed in this course are of importance in fundamental biological and physical sciences research, as well as in medical imaging applications, both anatomical and functional.

Prerequisite: Physics 15b or 11b and mathematics preparation at least to the level of Mathematics 21b taken concurrently. Physics 143a and b are recommended but not essential.

Physics 141. The Physics of Sensory Systems in Biology

Catalog Number: 1284

Aravinthan D. T. Samuel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Living organisms use sensory systems to inform themselves of the sights, sounds, and smells of their surrounding environments. Sensory systems are physical measuring devices, and are therefore subject to certain limits imposed by physics. Here we will consider the physics of sensory measurement and perception, and study ways that biological systems have solved their underlying physical problems. We will discuss specific cases in vision, olfaction, and hearing from a physicist's point of view.

Note: Enrollment limited to 15.

Prerequisite: Physics 11a,b or 15 a,b,c required. Physics 181 recommended, but not required.

Physics 143a. Quantum Mechanics I

Catalog Number: 1050

Cumrun Vafa (fall term) and Gerald Gabrielse (spring term)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to nonrelativistic quantum mechanics: uncertainty relations; Schrödinger equation; Dirac notation; matrix mechanics; one-dimensional problems including particle in box, tunneling, and harmonic oscillator; angular momentum, hydrogen atom, spin, Pauli principle; time-independent perturbation theory; scattering.

Prerequisite: Linear algebra including matrix diagonalization; Physics 15c or written permission of the Head Tutor.

Physics 143b. Quantum Mechanics II

Catalog Number: 0253

John M. Doyle

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Time dependent perturbation theory, resonance, spin-1/2 systems, harmonic excitation; identical



particles; emission and absorption of radiation; scattering, partial wave analysis, the Born approximation, scattering length; other topics as time permits including density matrix, entanglement, quantum computing, decoherence, tensor operators.

Prerequisite: Physics 143a.

Physics 145. Elementary Particle Physics

Catalog Number: 6057

Joao Pedro Guimaraes da Costa

Half course (spring term). Lecture meets M., W., (F.,) at 10; seminars and sections Tu., Th., 7:30-9 p.m., as needed. EXAM GROUP: 3

Introduction to elementary particle physics. Emphasis is on concepts and phenomenology rather than on a detailed calculational development of theories. Starts with the discovery of the electron in 1897, ends with the theoretical motivation for the Higg's boson, and attempts to cover everything important in between. Taught partly in seminar mode, with each student presenting a classic paper of the field.

Prerequisite: Physics 143a. Physics 143b or equivalent is useful.

Physics 151. Mechanics

Catalog Number: 2068

Arthur M. Jaffe

Half course (fall term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Fundamental ideas of classical mechanics including contact with modern work and applications. Topics include Lagrange's equations, the role of variational principles, symmetry and conservation laws, Hamilton's equations, Hamilton-Jacobi theory and phase space dynamics. Applications to celestial mechanics, quantum mechanics, the theory of small oscillations and classical fields, and nonlinear oscillations, including chaotic systems presented.

Prerequisite: Physics 15a, 15b or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

Physics 153. Electrodynamics

Catalog Number: 0264

Jene A. Golovchenko

Half course (spring term). Tu., Th., 9:30-11. EXAM GROUP: 11, 12

Aimed at advanced undergraduates. Emphasis on the properties and sources of the electromagnetic fields and on the wave aspects of the fields. Course starts with electrostatics and subsequently develops the Maxwell equations. Topics: electrostatics, dielectrics, magnetostatics, electrodynamics, radiation, wave propagation in various media, wave optics, diffraction and interference. A number of applications of electrodynamics and optics in modern physics are discussed.

Prerequisite: Physics 15a, b, and c, or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

[Physics 167. Condensed Matter Physics of Modern Technologies]

Catalog Number: 4654

Instructor to be determined

Half course (fall term). Hours to be arranged.



This course will explore how recent developments in condensed matter physics are expanding the frontiers of modern technologies. We will review semiconducting, magneto- and optoelectronic devices, magnetoresistive materials, carbon nanotubes, and high temperature superconductors. Technologies in the earliest stages of their development, such as nanotechnology, quantum computations and communication, will also be discussed.

Note: Expected to be given in 2010–11.

Prerequisite: Quantum mechanics (Physics 143a).

[Physics 175. Quantum Electronics and Modern Optics]

Catalog Number: 9076

Instructor to be determined

Half course (fall term). Hours to be arranged.

Introduction to quantum electronics (laser physics) and modern optical physics aimed at advanced undergraduates. Review of electromagnetic theory and relevant aspects of quantum mechanics. Wave nature of light. Physics of basic optical elements. Propagation of focused beams, optical resonators, dielectric waveguides. Interaction of light with matter. Lasers. Physics of specific laser systems. Introduction to nonlinear optics. Modern applications.

Note: Expected to be given in 2010–11.

Prerequisite: Physics 15b, 15c, 143a, or permission of the instructor.

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Robert M. Westervelt

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to thermal physics: basic concepts of thermodynamics (energy, heat, work, temperature, and entropy), classical and quantum ensembles and their origins, and distribution functions. Applications include Debye's theory of solids, Planck's theory of black body radiation, classical and quantum gases, magnetism and phase transitions.

Note: May not be taken for credit in addition to Engineering Sciences 181.

Prerequisite: Physics 143a or equivalent.

***Physics 191r. Advanced Laboratory**

Catalog Number: 7711 Enrollment: Together with Physics 247r, limited to a total of 24 students.

Eric Mazur (spring term), Peter S. Pershan (fall term), Mikhail D. Lukin (spring term), Isaac F. Silvera (fall and spring terms), and Robert M. Westervelt (fall term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: Fall: 15, 16, 17; Spring: 15, 16, 17, 18

Students carry out three experimental projects selected from those available representing condensed matter, atomic, nuclear, and particle physics. Included are nuclear magnetic resonance, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation of radioactive isotopes, Compton scattering of gamma rays, the relativistic mass of the electron, recoil free gamma-ray resonance, the lifetime of the muon, studies of superfluid helium, positron annihilation superconducting transitions, the quantum Hall effect, and properties of semiconductors. The facilities of the laboratory include several computer controlled experiments as well as computers for analysis.



Note: A substantial amount of outside reading is expected.

Prerequisite: Physics 15a or 16, 15b, 15c. Physics 143a is highly recommended.

Physics 195. Introduction to Solid State Physics

Catalog Number: 2978

Peter S. Pershan

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Fundamental physical properties of crystalline solids discussed in terms of the basic principles of classical and quantum physics. Crystal structure, lattice vibrations, specific heat, energy band theory of metals and semiconductors and insulators, electrical transport in metals and semiconductors, optical and magnetic properties, and superconductivity.

Note: Designed as a first course in solid state physics for students with knowledge of elementary quantum mechanics (Physics 143a). Some knowledge of statistical physics (Physics 181) is also helpful, but not a formal prerequisite. Students who propose to take Applied Physics 295a in the spring term, and who have not previously taken a formal course in solid state physics, are strongly advised to take this course first. It is suggested that students may wish to take Applied Physics 195 when this course is bracketed.

Cross-listed Courses

[Applied Mathematics 147. Nonlinear Dynamical Systems]

[Applied Physics 195. Introduction to Solid State Physics]

Astronomy 150. Radiative Processes in Astrophysics

Astronomy 191. Astrophysics Laboratory

[Astronomy 192. Tools and Techniques of Astronomical Measurements]

Chemistry 160. Physical Chemistry

Chemistry 161. Statistical Thermodynamics

Chemistry 163. Frontiers in Biophysics

***Chemistry 165. Experimental Physical Chemistry**

Earth and Planetary Sciences 131. Introduction to Physical Oceanography and Climate

Engineering Sciences 120. Introduction to the Mechanics of Solids

Engineering Sciences 123. Introduction to Fluid Mechanics and Transport Processes

Engineering Sciences 154. Electronic Devices and Circuits

[Engineering Sciences 173. Introduction to Electronic and Photonic Devices]

Engineering Sciences 181. Engineering Thermodynamics

Engineering Sciences 190. Introduction to Materials Science and Engineering

MCB 131. Computational Neuroscience

Science of the Physical Universe 13 (formerly Science A-49). The Physics of Music and Sound

Science of the Physical Universe 15 (formerly Science A-45). Reality Physics

Science of the Physical Universe 20. What is Life? From Quarks to Consciousness - (New Course)

Science of the Physical Universe 22. The Unity of Science: From the Big Bang to the Brontosaurus and Beyond - (New Course)

Primarily for Graduates



The courses primarily for graduates are open to undergraduates provided they have passed the prerequisites with a grade of C or higher; in each case, special permission by the instructor is needed. In cases where students do not have the listed prerequisites, the written approval of the Head Tutor is required.

Physics 210. General Theory of Relativity

Catalog Number: 4840

Andrew Strominger

Half course (fall term). W., F., 2:30–4. EXAM GROUP: 7, 8

An introduction to general relativity: Riemannian geometry; the Principle of Equivalence; Einstein's field equation; the Schwarzschild solution, the Newtonian limit; experimental tests, black holes, the causal structure of spacetime.

Prerequisite: Physics 151 and 153, and Mathematics 21 or equivalents.

Physics 211. General Relativity, Cosmology, and Other Topics

Catalog Number: 0469

Frederik Denef

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The course consists of two related parts: quantum field theory in curved space and cosmology. Topics covered in the first part include mode expansions, Bogolubov transformations, the Unruh effect, Hawking radiation, black hole thermodynamics, de Sitter thermodynamics, fluctuation spectra in inflationary universes, vacuum energy and the Casimir effect. Topics in the second part include kinematics and dynamics of expanding universe, propagation of light and horizons, the (very) early universe, inflation, inhomogeneities and structure formation.

Prerequisite: General relativity at level of Physics 210 or equivalent. Physics 253a helpful, but not required.

[Physics 218. Modern Dynamical Systems]

Catalog Number: 1362

Instructor to be determined

Half course (spring term). Hours to be arranged.

Classical hamiltonian theory. Integrable systems, nonlinear dynamics, and chaos. Maps, KAM theory, and bifurcations. Mixing and ergodic theory. Dynamics of continuous systems, especially fluids. Stochastic processes.

Note: Expected to be given in 2010–11.

Prerequisite: Physics 151 and 143a, b or equivalent; Applied Math 201, 202 or equivalent.

Physics 232 (formerly Physics 232a). Advanced Classical Electromagnetism

Catalog Number: 4885

David R. Nelson

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Maxwell's equations in free space and in macroscopic media; conservation laws; time-dependent solutions and radiation; scattering and diffraction. Additional topics could include dielectric properties of composite media, magnetohydrodynamics or negative refractive index materials.

Prerequisite: Physics 153 and Applied Math 105a, 105b, or equivalent.

***Physics 247r. Laboratory Course in Contemporary Physics**

Catalog Number: 8665 Enrollment: Together with Physics 191r, limited to a total of 24 students.
Eric Mazur (spring term), Peter S. Pershan (fall term), Mikhail D. Lukin (spring term), Isaac F. Silvera (fall and spring terms), and Robert M. Westervelt (fall term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: Fall: 15, 16, 17; Spring: 15, 16, 17, 18

Three experimental projects are selected representing condensed matter, atomic, nuclear, and particle physics. Examples: experiments on NMR, microwave spectroscopy, optical pumping, scattering of laser light, neutron activation, Compton scattering of gamma rays, relativistic mass of the electron, recoil-free gamma ray resonance, lifetime of the muon, superfluid helium, superconducting transitions, and properties of semiconductors.

Note: A substantial amount of outside reading may be required.

[Physics 248. Phenomena of Elementary Particle Physics]

Catalog Number: 5431

Instructor to be determined

Half course (fall term). Hours to be arranged.

Topics in the phenomena of elementary particle physics, including weak interactions, QCD, deep inelastic scattering and nucleon structure functions, and heavy quark production and decay.

Note: Expected to be given in 2010–11.

Prerequisite: Physics 145 or equivalent, i.e. a course at the level of Griffiths, Introduction to Elementary Particles.

Physics 251a. Advanced Quantum Mechanics I

Catalog Number: 2191

Bertrand I. Halperin

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Basic course in nonrelativistic quantum mechanics. Review of wave functions and the Schrödinger Equation; Hilbert space; the WKB approximation; central forces and angular momentum; scattering; electron spin; measurement theory; the density matrix; time-independent perturbation theory.

Prerequisite: Physics 143a, b or equivalent, or permission of instructor.

Physics 251b. Advanced Quantum Mechanics II

Catalog Number: 2689

Bertrand I. Halperin

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Heisenberg picture; time-dependent perturbations; inelastic scattering; degenerate harmonic oscillators; electrons in a uniform magnetic field; quantized radiation field; absorption and emission of radiation; identical particles and second quantization; symmetry principles; Feynman Path integrals.

Prerequisite: Physics 251a.

Physics 253a. Quantum Field Theory I

Catalog Number: 8050

Matthew D. Schwartz



Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introduction to relativistic quantum field theory. This course covers quantum electrodynamics. Topics include canonical quantization, Feynman diagrams, spinors, gauge invariance, path integrals, ultraviolet and infrared divergences, renormalization and applications to the quantum theory of the weak and gravitational forces.

Prerequisite: Physics 143a,b or equivalents.

Physics 253b. Quantum Field Theory II

Catalog Number: 5250

Howard Georgi

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

A continuation of Physics 253a. spontaneous symmetry breaking and Goldstone bosons, chiral anomalies, effective field theory, non-Abelian gauge theories, the Higgs mechanism, and an introduction to the standard model, quantum chromodynamics and grand unification. Other possible subjects include solitons, quantum gravity, conformal field theory, supersymmetry and applications to condensed matter physics.

Prerequisite: Physics 253a.

Physics 253c. Quantum Field Theory III

Catalog Number: 4000

Lisa Randall

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course explores advanced topics in quantum field theory. Possible topics include semi-classical methods, tunneling in flat and curved spaces, topological defects, lattice gauge theories, conformal field theories in diverse dimensions, large N and string description of gauge theory, the AdS/CFT correspondence, and supersymmetric gauge theories in four dimensions.

Prerequisite: Physics 253b.

[Physics 262. Statistical Physics]

Catalog Number: 1157

Instructor to be determined

Half course (fall term). Hours to be arranged.

Basic principles of statistical physics and thermodynamics, with applications including: the equilibrium properties of classical and quantum gases; phase diagrams, phase transitions and critical points, as illustrated by the gas-liquid transition and simple magnetic models; Bose-Einstein condensation. Dynamics near equilibrium: Brownian motion, Langevin, Fokker-Planck and Boltzmann equations.

Note: Expected to be given in 2010–11. Students may wish to take Applied Physics 284 when this course is bracketed.

Prerequisite: Physics 143a, b and Physics 181 or Engineering Sciences 181.

[Physics 268r. Classical and Quantum Phase Transitions]

Catalog Number: 7951

Instructor to be determined

Half course (spring term). Hours to be arranged.

The theory of phase transitions at zero and non-zero temperatures. Landau theory. Fluctuations



and field theory. Renormalization group. Quantum transitions between insulators, superfluids, metals, and magnets. Modern ideas on the description of correlated states by emergent gauge fields.

Note: Expected to be given in 2010–11.

Prerequisite: Physics 262 or equivalent.

Physics 269r. Topics in Statistical Physics and Physical Biology

Catalog Number: 6214

Erel Levine

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

Introduction to strongly interacting soft condensed matter and biophysical systems. We hope to discuss the theory of flexible polymer chains, function and structure of DNA, RNA and proteins, single molecule biophysics, molecular motors, gene regulation and the statistical dynamics of mutations, selection and genetic drift.

Prerequisite: Physics 262, Applied Physics 284 or equivalent.

[Physics 271 (formerly Physics 287). Topics in the Physics of Quantum Information]

Catalog Number: 7647

Instructor to be determined

Half course (fall term). Hours to be arranged.

Introduction to physics of quantum information, with emphasis on ideas and experiments ranging from quantum optics to condensed matter physics. Background and theoretical tools will be introduced. The format is a combination of lectures and class presentations.

Note: Expected to be given in 2010–11.

Prerequisite: Quantum mechanics at the level of introductory graduate courses.

[Physics 283b. Beyond the Standard Model]

Catalog Number: 7153

Instructor to be determined

Half course (fall term). Hours to be arranged.

Covers current advances in particle physics beyond the Standard Model. Topics could include supersymmetry, the physics of extra dimensions, experimental searches, including for T violation, and connections between particle physics and cosmology.

Note: Expected to be given in 2010–11.

Physics 284. Strongly Correlated Systems in Atomic and Condensed Matter Physics

Catalog Number: 4673

Eugene A. Demler

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores an emerging interface involving strongly correlated systems in atomic and condensed matter physics. Topics include bosonic and fermionic Hubbard models, quantum spin systems, low dimensional systems, non-equilibrium coherent dynamics and system-bath interactions. Special attention to the physics of ultracold atoms. Lectures and seminar-like class presentations.

Prerequisite: Graduate quantum mechanics or permission of instructor.

**[Physics 285a. Modern Atomic and Optical Physics I]**

Catalog Number: 8204

*Instructor to be determined**Half course (fall term). M., W., 12-1:30.*

Introduction to modern atomic physics. The fundamental concepts and modern experimental techniques will be introduced. Topics will include two-state systems, magnetic resonance, interaction of radiation with atoms, transition probabilities, spontaneous and stimulated emission, dressed atoms, trapping, laser cooling of “two-level” atoms, structure of simple atoms, fundamental symmetries, two-photon excitation, light scattering and selected experiments. The first of a two-term subject sequence that provides the foundations for contemporary research.

Note: Expected to be given in 2010–11.*Prerequisite:* One course in quantum mechanics (143a and b, or equivalent).**Physics 285b. Modern Atomic and Optical Physics II**

Catalog Number: 4195

*Mikhail D. Lukin**Half course (fall term). M., W., 12-1:30. EXAM GROUP: 5, 6*

Introduction to quantum optics and modern atomic physics. The basic concepts and theoretical tools will be introduced. Topics will include coherence phenomena, non-classical states of light and matter, atom cooling and trapping and atom optics. The second of a two-term subject sequence that provides the foundations for contemporary research.

Prerequisite: A course in electromagnetic theory (Physics 232a or equivalent); one half-course in intermediate or advanced quantum mechanics.**Physics 287a. Introduction to String Theory**

Catalog Number: 2012

*Cumrun Vafa**Half course (spring term). W., F., 2:30-4. EXAM GROUP: 7, 8*

Introduction to the perturbative formulation of string theories and dualities. Quantization of bosonic and superstrings, perturbative aspects of scattering amplitudes, supergravity, D-branes, T-duality and mirror symmetry. Also a brief overview of recent developments in string theory.

Prerequisite: Physics 253a, b or equivalent.**[Physics 287br. Topics in String Theory]**

Catalog Number: 4555

*Instructor to be determined**Half course (spring term). Hours to be arranged.*

A selection of topics from current areas of research on string theory.

Note: Expected to be given in 2010–11.*Prerequisite:* Physics 287a.**Physics 289r. Functional Integration and Renormalization**

Catalog Number: 6400

*Arthur M. Jaffe**Half course (spring term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13*

The course will revolve around Euclidean expectations, functional integrals, and real-time



quantum theory for bosons, fermions, and gauge interactions, with properties of symmetry, supersymmetry, and renormalization.

Prerequisite: Physics 253a

Cross-listed Courses

[Applied Mathematics 201. Physical Mathematics I](#)

[Applied Mathematics 202. Physical Mathematics II](#)

[Applied Mathematics 205. Practical Scientific Computing]

[Applied Physics 216. Modern Optics and Quantum Electronics]

[Applied Physics 217. Applications of Modern Optics](#)

[Applied Physics 284. Statistical Thermodynamics](#)

[Applied Physics 295a. Introduction to Quantum Theory of Solids](#)

[Applied Physics 295b. Quantum Theory of Solids](#)

[Applied Physics 298r. Interdisciplinary Chemistry, Engineering and Physics: Seminar](#)

[Engineering Sciences 274. Quantum Technology I](#)

[Engineering Sciences 275. Nanophotonics](#)

[MCB 212. Topics in Biophysics]

Graduate Courses of Reading and Research

Courses of preliminary reading or experimental research are designated by “a.” Thesis research are designated by “b” and these courses are to be used only when an instructor has agreed to supervise a student’s research for the PhD. Reading and Research courses largely concerned with physics are offered under the sponsorship of several other departments, particularly Astronomy, Chemistry, and Earth and Planetary Sciences; and of the Division of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Science, and Engineering Sciences).

***Physics 301a,301b. Experimental Atomic and Elementary Particle Physics**

Catalog Number: 1735,1736

Gerald Gabrielse 1768

***Physics 303a,303b. Sensory and Behavioral Neuroscience**

Catalog Number: 1727,1792

Aravinthan D. T. Samuel 4625

***Physics 305a,305b. Experimental High Energy Physics**

Catalog Number: 7929,0855

John Huth 3506

***Physics 307a,307b. Atomic/Bio-physics, Quantum Optics**

Catalog Number: 7534,3277

Lene V. Hau 2151



***Physics 309a,309b. Topics in Elementary Particle Theory**

Catalog Number: 4556,4561

Cumrun Vafa 2069

***Physics 311a,311b. Experimental Atomic, Molecular, and Low-Energy Particle Physics**

Catalog Number: 6839,6838

John M. Doyle 3507

***Physics 313a,313b. Experimental Condensed Matter Physics**

Catalog Number: 7154,6363

Amir Yacoby 5596

***Physics 315a,315b. Topics in Theoretical Atomic, Molecular, and Condensed Matter Physics**

Catalog Number: 7387,8871

Eric J. Heller 1074 (on leave fall term)

***Physics 317a,317b. Topics in Biophysics**

Catalog Number: 8345,0990

Xiaowei Zhuang 3991 (on leave 2009-10)

***Physics 319a,319b. Topics in Experimental High Energy Physics**

Catalog Number: 4520,4521

Melissa Franklin 2500 (on leave spring term)

***Physics 321a,321b. Experimental Soft Condensed Matter Physics**

Catalog Number: 9963,7098

David A. Weitz 2497

***Physics 323a,323b. Nanostructures and Mesoscopic Physics**

Catalog Number: 3629,9079

Charles M. Marcus 2890 (on leave 2009-10)

***Physics 327a,327b. Topics in Condensed Matter Physics**

Catalog Number: 5969,6524

David R. Nelson 5066 (on leave fall term)

***Physics 329a,329b. Condensed Matter and Statistical Theory**

Catalog Number: 6198,6373

Bertrand I. Halperin 4755

***Physics 331a,331b. Topics in String Theory**

Catalog Number: 1624,9280

Xi Yin 6162 (on leave spring term)



***Physics 333a,333b. Experimental Atomic Physics**

Catalog Number: 2902,2904

Mara Prentiss 2741 (on leave fall term)

***Physics 335a,335b. Topics in the History and Philosophy of Physics**

Catalog Number: 6697,4276

Gerald Holton 1883

***Physics 337a,337b. Topics in Experimental High Energy Physics**

Catalog Number: 1809,6368

Masahiro Morii 3798

***Physics 339a,339b. Condensed Matter and Atomic Physics**

Catalog Number: 5096,6843

Subir Sachdev 5252 (on leave spring term)

***Physics 341a,341b. Topics in Experimental Atomic and Condensed Matter Physics**

Catalog Number: 1990,6602

Markus Greiner 5344

***Physics 343a,343b. Observational Cosmology and Experimental Gravitation**

Catalog Number: 4253,6881

Christopher Stubbs 4856

***Physics 345a,345b. Experimental Gravitation: Radio and Radar Astronomy**

Catalog Number: 5067,5072

Irwin I. Shapiro 7660

***Physics 347a,347b. Topics in Quantum Optics**

Catalog Number: 8010,1627

Mikhail D. Lukin 3990 (on leave spring term)

***Physics 349a,349b. Topics in Theoretical Particle Physics**

Catalog Number: 4124,9866

Matthew D. Schwartz 6194

***Physics 351a,351b. Experimental Soft Condensed Matter and Materials Physics**

Catalog Number: 6533,5661

Vinothan N. Manoharan 5251

***Physics 353a,353b. Topics in Statistical Physics and Quantitative Molecular Biology -
(New Course)**

Catalog Number: 66502,81609

Erel Levine 6304



***Physics 355a,355b. Theory of Elementary Particles**

Catalog Number: 1213,7654

Roy J. Glauber 2113

***Physics 357a,357b. Experimental Condensed Matter Physics**

Catalog Number: 4430,5227

Robert M. Westervelt 6148

***Physics 359a,359b. Topics in Condensed Matter Physics**

Catalog Number: 8238,7560

Eugene A. Demler 3847 (on leave spring term)

***Physics 361a,361b. Topics in Experimental High Energy Physics - (New Course)**

Catalog Number: 21181,51395

Joao Pedro Guimaraes da Costa 5698

***Physics 363a,363b. Topics in Condensed Matter Theory**

Catalog Number: 2957,2958

Efthimios Kaxiras 3050 (on leave 2009-10)

***Physics 365a,365b. Topics in Mathematical Physics**

Catalog Number: 5170,1567

Arthur M. Jaffe 2095

***Physics 367a,367b. Experimental Astrophysics**

Catalog Number: 1075,1274

Paul Horowitz 3537

***Physics 369a,369b. Experimental Condensed Matter: Synchrotron Radiation Studies**

Catalog Number: 1538,1539

Peter S. Pershan 1105

***Physics 371a,371b. Topics in Experimental High Energy Physics**

Catalog Number: 2519,6461

Gary J. Feldman 2599

***Physics 373a,373b. Historical and Philosophical Approaches to Modern and Contemporary Physics**

Catalog Number: 6140,6143

Peter L. Galison 3239 (on leave 2009-10)

***Physics 375a,375b. Topics in Theoretical High Energy Physics**

Catalog Number: 9829,0132

Frederik Denef 6000



***Physics 377a,377b. Theoretical High Energy Physics**

Catalog Number: 1436,2007

Tai T. Wu 1051

***Physics 379a,379b. Topics in Elementary Particle Research and String Theory**

Catalog Number: 7523,7524

Andrew Strominger 3700

***Physics 381a,381b. Experimental Condensed Matter Physics**

Catalog Number: 1281,2355

Jennifer E. Hoffman 4888

***Physics 383a,383b. Low Temperature Physics of Quantum Fluids and Solids; Ultra High Pressure Physics**

Catalog Number: 3851,4395

Isaac F. Silvera 7468

***Physics 385a,385b. Topics in Biophysics**

Catalog Number: 5901,5902

Howard C. Berg 1377

***Physics 387a,387b. Applied Photonics**

Catalog Number: 5772,5774

Eric Mazur 7952

***Physics 389a,389b. Topics in Field Theory: The Standard Model and Beyond**

Catalog Number: 4393,2571

Lisa Randall 4255

***Physics 391a,391b. Experimental Atomic Physics, Biophysics, and Soft Matter Physics**

Catalog Number: 1006,2753

Ronald L. Walsworth 2263

***Physics 393a,393b. Topics in Elementary Particle Theory**

Catalog Number: 6051,6218

Howard Georgi 4754

***Physics 397a,397b. Experimental Condensed Matter Physics**

Catalog Number: 7355,7356

Jene A. Golovchenko 1986 (on leave fall term)



Political Economy and Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Political Economy and Government

Kenneth A. Shepsle, George D. Markham Professor of Government (*Chair (Acting)*) (*on leave spring term*)

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy (*Chair*)

Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*)

Daniel P. Carpenter, Allie S. Freed Professor of Government

Suzanne J. Cooper, Senior Lecturer on Public Policy (*Kennedy School*)

Jeffrey Frieden, Stanfield Professor of International Peace (*on leave spring term*)

Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics

Elhanan Helpman, Galen L. Stone Professor of International Trade

Michael J. Hiscox, Clarence Dillon Professor of International Affairs (*on leave spring term*)

William W. Hogan, Raymond Plank Professor of Global Energy Policy (*Kennedy School*)

Daniel Andres Hojman, Assistant Professor of Public Policy (*Kennedy School*)

Sendhil Mullainathan, Professor of Economics

Joseph P. Newhouse, John D. Macarthur Professor of Health Policy and Management (*Kennedy School, Medical School, Public Health*)

Dwight H. Perkins, Harold Hitchings Burbank Professor of Political Economy, Emeritus

J. Mark Ramseyer, Professor of Japanese Legal Studies (*Law School*)

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)

Richard J. Zeckhauser, Frank Plumpton Ramsey Professor Professor of Political Economy (*Kennedy School*)

The Doctoral Program in Political Economy and Government (PEG) is intended for scholars interested in academic or policy making careers requiring advanced knowledge of both Economics and Political Science. It is appropriate for students whose academic interests are not fully served by doctoral studies in Economics or Political Science alone. In Political Economy, candidates have intellectual interests in the impact of politics on economic processes and outcomes, and the reciprocal influence of economic conditions on political life. This interest is often applied to such diverse areas as international political economy, political development, political and economic institutions, institutional transition and reform, environmental resource policies, and social policy.

Candidates for the PEG degree are typically in residence for two years before undertaking the oral general examination. Satisfactory completion of the general examination is a prerequisite for writing a dissertation. Continuation of candidacy is contingent upon suitable progress and achievement during each academic year.

Applicants to this program must present their academic credentials, career plans, and a tentative outline of their proposed program research. All applicants must specify whether they are



applying to the Economics track or the Political Science track. For a full description of the track requirements, visit the PEG website at www.hks.harvard.edu. Recent scores from the aptitude portion of the Graduate Record Examination (GRE) are required, as are transcripts for all prior study and three letters of recommendation. Application forms and leaflets describing field and other requirements are available at the Graduate School of Arts and Sciences. For further information on faculty, programs, and courses in the John F. Kennedy School of Government, see the school's catalog and courses of instruction.

For more information about the doctoral program, visit the program website at www.hks.harvard.edu/degrees/phd/peg.

Psychology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Psychology

Susan E. Carey, Henry A. Morss, Jr. and Elisabeth W. Morss Professor of Psychology (*Chair*)

George Angelo Alvarez, Assistant Professor of Psychology

Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (*Director of Undergraduate Studies*)

Julia K. Boehm, Lecturer on Psychology

Randy L. Buckner, Professor of Psychology and of Neuroscience

Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology

Shelley H. Carson, Lecturer on Psychology

Daniel T. Gilbert, Harvard College Professor, Professor of Psychology (*Director of Graduate Studies*)

Joshua D. Greene, Assistant Professor of Psychology

J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology

Marc D. Hauser, Professor of Psychology

Christine M. Heenan, Visiting Lecturer on Psychology

Christine Hooker, Assistant Professor of Psychology (*on leave 2009-10*)

Jill M. Hooley, Professor of Psychology (*on leave spring term*)

Stephen M. Kosslyn, John Lindsley Professor of Psychology in Memory of William James, Dean of Social Science

Ellen J. Langer, Professor of Psychology (*on leave spring term*)

Richard J. McNally, Professor of Psychology

Wendy Mendes, John L. Loeb Associate Professor of the Social Sciences (*on leave 2009-10*)

Jason P. Mitchell, Assistant Professor of Psychology (*on leave 2009-10*)

Samuel Taylor Moulton, College Fellow in the Department of Psychology



Ken Nakayama, Edgar Pierce Professor of Psychology
Matthew K. Nock, John L. Loeb Associate Professor of the Social Sciences, Professor of Psychology
Christopher Oveis, College Fellow in Psychology
Steven Pinker, Harvard College Professor, Johnstone Family Professor of Psychology (*on leave spring term*)
Diego Pizzagalli, John and Ruth Hazel Associate Professor of the Social Sciences
Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology (*on leave fall term*)
James Sidanius, Professor of Psychology and of African and African American Studies
Craig Elliot Smith, Lecturer on Psychology
Jesse Snedeker, John L. Loeb Associate Professor of the Social Sciences
Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology (*on leave spring term*)
Felix Warneken, Assistant Professor of Psychology
Daniel M. Wegner, Professor of Psychology (*on leave spring term*)
John R. Weisz, Professor of Psychology
Yaoda Xu, Assistant Professor of Psychology

Other Faculty Offering Instruction in the Department of Psychology

Greg M. Barron, Assistant Professor of Business Administration (*Business School*) (*spring term only*)
Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)
Marla D. Eby, Assistant Professor of Psychology (*Medical School*) (*spring term only*)
Kurt W. Fischer, Charles Bigelow Professor of Education (*Education School*)
Howard E. Gardner, John H. and Elisabeth A. Hobbs Professor of Cognition and Education (*Education School*)
Paul Lansley Harris, Victor S. Thomas Professorship in Education.

For a list of other courses which automatically count for undergraduate concentration credit, please see the note under the cross-listed courses for Undergraduates and Graduates.

Primarily for Undergraduates

Psychology 13. Cognitive Psychology

Catalog Number: 8706

Jesse Snedeker

Half course (spring term). Tu., Th., 10-11:30, and a one-hour section to be arranged. EXAM GROUP: 12, 13

An introduction to the study of human cognition. Topics include perception, attention, memory, categorization, language, and consciousness. We will consider how human thought processes are organized, how they affect our everyday behavior, and the biological mechanisms that underlie them.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.
Prerequisite: Science of Living Systems 20 or its predecessors, or permission of instructor.



Psychology 15. Social Psychology

Catalog Number: 4760

Joshua D. Greene

Half course (spring term). M., W., 1-2:30. EXAM GROUP: 6, 7

An introduction to social psychological research and theory regarding everyday behavior. Topics include: social influence, attitude change, and obedience to authority; stereotyping and prejudice; social cognition; social interaction and group processes; interpersonal attraction; prosocial behavior; and everyday human judgment.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Science of Living Systems 20 or its predecessors.

***Psychology 16. Developmental Psychology: Psychology of Early Childhood**

Catalog Number: 1483

Paul Lansley Harris

Half course (fall term). Tu., Th., 10-11:30. EXAM GROUP: 12, 13

An introduction to theories and findings in the psychology of early childhood, roughly the period from 18 months to 6 years. The course will cover attachment; pretense and imagination; theory of mind/autism; moral development; memory development; emotion and understanding emotion; vocabulary growth; cross-cultural variation; brain development; learning through dialogue; and children's religious concepts.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Offered jointly with the Graduate School of Education as H-250.

Prerequisite: Science of Living Systems 20 or its predecessors.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Shelley H. Carson

Half course (fall term). Tu., Th., 11:30-1, and a weekly section to be arranged. EXAM GROUP: 13, 14

Introduction to the study of psychopathology. Focuses on theoretical models of abnormal behavior as they relate to the definition, etiology, and treatment of mental disorders. Diagnostic classification, behavioral, and biological features of the major syndromes of psychopathology emphasized.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

Prerequisite: Science of Living Systems 20 or its predecessors.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Independent empirical research (laboratory or field) conducted under the supervision of a departmental faculty member. Research report or equivalent paper required. May be taken up to three times for College credit; limits on research courses for concentration credit apply.

Application found at <http://www.wjh.harvard.edu/psych/ug/deadlines/index.html>.

Note: Application required for admission; due to the Psychology Undergraduate Office the day before Study Cards are due.



***Psychology 950. Psychology Live!**

Catalog Number: 5195

Craig Elliot Smith and members of the Department

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Faculty will each lecture about their main area of research: its history, methods, and discoveries, focusing on contemporary research topics including perception, memory, cognitive development, animal cognition, social cognition, moral decision-making, consciousness, language, and psychopathology. Includes a view of methods to study the mind, brain and behavior involving neuroscientific techniques, evolutionary psychology, web-based experimentation, traditional laboratory experiments, and field studies. Emphasis is primarily human, as well as nonhuman primates.

Prerequisite: Science of Living System 20, Psychology 1, or Science B-62.

***Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 3498

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues and phenomena in contemporary psychological research. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills. This tutorial, or Psychology 975, is required of concentrators upon entering the concentration, normally in the sophomore year. Letter graded.

Note: This course is taught entirely in sections, so a required first meeting of this course will be held the first day of classes; see Registrar's first meeting list for time and location. Students may take this course before formally declaring Psychology as their concentration.

Prerequisite: Science of Living Systems 20 (or equivalent) or concurrent enrollment.

***Psychology 975. Contemporary Issues in Psychology: Intensive Cross-level Analyses for Social and Cognitive Neuroscience**

Catalog Number: 9063

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Examines selected issues of relevance to social and cognitive neuroscience addressed in contemporary psychological research, and is normally required for students in the Social and Cognitive Neuroscience track of Psychology. Special attention to examining topics from a variety of perspectives, to reading primary sources in the field, and to developing thinking, writing, research, and discussion skills. This tutorial, or Psychology 971, is required of concentrators upon entering the concentration, normally in the sophomore year. Letter-graded

Note: This course is taught entirely in sections, so a required first meeting of this course will be held the first day of classes; see Registrar's first meeting list for time and location. Students may take this course before formally declaring Psychology as their concentration.

Prerequisite: Science of Living Systems 20 (or equivalent) or concurrent enrollment.

***Psychology 980c. Thinking About Others: Perception, Prejudice, and Intergroup Conflict - (New Course)**

Catalog Number: 60174 Enrollment: Limited to 16. Typically meant for Junior and Senior



Psychology concentrators.

Mahzarin R. Banaji and members of the Department

Half course (spring term). M., 4–6.

Prerequisite: Science of Living Systems 20 or its predecessors, and one Tier 2 course.

***Psychology 980d. Cooperation and Altruism - (New Course)**

Catalog Number: 75281 Enrollment: Limited to 16. Typically meant for Junior and Senior Psychology concentrators.

Mahzarin R. Banaji and members of the Department

Half course (fall term). Tu., 4–6.

Prerequisite: Science of Living Systems 20 or its predecessors, and one Tier 2 course.

***Psychology 980e. Psychology of Relationships: Seminar - (New Course)**

Catalog Number: 23759 Enrollment: Limited to 16. Typically meant for Junior and Senior Psychology concentrators.

Mahzarin R. Banaji and members of the Department

Half course (spring term). W., 6–8 p.m.

This seminar presents theory and research regarding a core aspect of social psychological life: interpersonal relationships. We will examine relationships in both the personal and work arenas, covering topics such as trust, intimacy, support, satisfaction, conflict resolution, betrayal, and toxicity.

Prerequisite: Science of Living Systems 20 or its predecessors, and one Tier 2 course

***Psychology 985. Junior Tutorial: Honors Thesis Preparation**

Catalog Number: 2343

Mahzarin R. Banaji and members of the Department

Half course (fall term; repeated spring term). Fall: House to be arranged; Spring: W., at 5.

Supervised reading and research with a faculty supervisor normally resulting in a thesis prospectus. Required, supplemental group meetings to discuss topic and supervisor selection, study methodology, prospectus writing, and the prospectus meeting. Admission to course via application (available at <http://www.wjh.harvard.edu/psych/ug/deadlines/index.html>). Graded SAT/UNS. Full prospectus or term paper required.

Note: Normally limited to junior psychology concentrators.

Prerequisite: Psychology 1901 or concurrent enrollment.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Mahzarin R. Banaji and members of the Department

Full course. Fall: Th., at 4.

Individual supervised thesis research supplemented with occasional group meetings to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research). Graded Sat/Unsat. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Note: Required of and limited to senior psychology concentrators in the general psychology



Honors-eligible thesis track.

Prerequisite: Approved thesis application and Psychology 1901.

***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

Catalog Number: 4990

Mahzarin R. Banaji and members of the Department

Full course. Fall: Th., at 4.

Individual supervised thesis research supplemented with occasional group meetings to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research).

Graded Sat/Unsat. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Note: Required of and limited to senior psychology concentrators in the Social and Cognitive Neuroscience thesis track, who will take this course in lieu of Psychology 990.

Prerequisite: Approved thesis application and Psychology 1901.

***Psychology 993. Senior Tutorial: Honors Thesis (Social and Cognitive Neuroscience)**

Catalog Number: 5567

Mahzarin R. Banaji and members of the Department.

Full course. Fall: Th., at 4.

Individual supervised research supplemented with occasional group meetings to discuss major aspects of the thesis process (e.g., organizing, conducting, and presenting research). Graded

Sat/Unsat. Prospectus meeting required for fall term credit, as well as a paper for students who divide course at mid-year. Submission of thesis required for full year credit.

Note: Required of and limited to senior honors psychology concentrators in the Social and Cognitive Neuroscience track, who will take this course in lieu of Psychology 990.

Prerequisite: An advanced methods course.

Cross-listed Courses

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 80. Neurobiology of Behavior

[*Mind, Brain, and Behavior 91 (formerly *Mind, Brain, and Behavior 98). Music, Mind, and Brain]

***Mind, Brain, and Behavior 92 (formerly Psychology 987d). A Systems Neuroscience Approach to Conscious Perceptual Experience**

[*Mind, Brain, and Behavior 93 (formerly Psychology 987f). The Biology of Conscious States: Waking, Sleeping, and Dreaming]

***Mind, Brain, and Behavior 94 (formerly Psychology 987g). Theories of Violence**

***Mind, Brain, and Behavior 95 (formerly Psychology 987h). Addiction and Motivation**

***Mind, Brain, and Behavior 96 (formerly Psychology 987i). The Science of Happiness**

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

Science B-29. Evolution of Human Nature

[Science B-60. Origins of Knowledge]



Science of Living Systems 20. Psychological Science - (New Course)
[Social Analysis 43. Psychological Trauma]

For Undergraduates and Graduates

[*Psychology 1151. Cognitive Evolution: Theory and Practice]

Catalog Number: 8617 Enrollment: Limited to 20.

Marc D. Hauser

Half course (fall term). Hours to be arranged. Includes 10-12 hours of lab work per week.

Focuses on theoretical and practical matters concerned with the evolution of the human mind.

We take a multi-disciplinary approach that includes evolutionary theory, neurobiology, cognitive science, animal behavior, developmental biology, linguistics, economics, anthropology, and philosophy. We address such issues as the nature of non-linguistic representation; evolution of cooperation, language, and morality; how mathematical quantification, navigation, and communication evolved; and whether the mind has an optimal design. Includes experiments with human adults, children, monkeys, and birds.

Note: Expected to be given in 2010–11.

***Psychology 1152r. Cognitive Evolution Lab**

Catalog Number: 1805 Enrollment: Limited to 20.

Marc D. Hauser

Half course (fall term; repeated spring term). Tu., 5:30–7:30 p.m. EXAM GROUP: 18

An introduction to issues, laboratory techniques, and field methodology in animal cognition. Students develop and pilot research projects. Empirical research is accompanied by a critical reading and discussion of papers on such topics as language evolution, concept acquisition, acoustic perception, and domain-specific knowledge.

Prerequisite: PSY 1151 or permission of instructor.

[*Psychology 1304. Cognitive Neuropsychology]

Catalog Number: 2419

Alfonso Caramazza

Half course (fall term). Hours to be arranged.

Examines the patterns of perceptual, motor, cognitive, and linguistic impairments resulting from brain damage. The focus is on the implications of the various types of neuropsychological deficits (such as visual neglect, dyslexia, and aphasia) for theories of the mind and the functional organization of the brain.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 13 or MCB 80.

***Psychology 1307. Brain Genomics - (New Course)**

Catalog Number: 63133

Randy L. Buckner

Half course (spring term). M., 4–6. EXAM GROUP: 9

Genetics provides a powerful approach for exploring human behavioral variation and learning how dysfunction in neural circuits influences cognition. This course will cover the basics of genetic inheritance and genomic sequencing to understand brain function. Topics include autistic



disorders, schizophrenia, and normal cognitive variation. The goals of the class will be (1) to debate the potential of bridging genomics and human neuroscience, and (2) to survey recent successes in brain genomics.

Prerequisite: Science of Living Systems 20 or its predecessors or MCB 80 or permission of instructor, or graduate standing.

***Psychology 1352. Foundations of Cognitive Neuroscience Research**

Catalog Number: 9399 Enrollment: Limited to students involved in research

Randy L. Buckner

Half course (fall term). Hours to be arranged.

Intended for undergraduates or those with limited background in cognitive neuroscience. Students will attend and participate in laboratory research and in a seminar that includes discussion of active scientific projects, recent important journal articles, and didactic lecture on technical aspects of methods central to cognitive neuroscience research. Readings will be assigned that survey basic principles of system neuroscience, cognitive science, and methods including functional MRI, MEG, and single unit physiology.

Prerequisite: Science of Living Systems 20 or its predecessors or MCB 80, or permission of instructor. For graduate students, permission of instructor.

[*Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!)]

Catalog Number: 5684

Randy L. Buckner

Half course (spring term). Hours to be arranged.

Classic articles in memory will be discussed in the context of why they are seminal to the field. Topics will include amnesia, LTP, levels of processing, implicit memory, brain imaging, and prospection. Within each topic, articles that are less seminal, but reported earlier, will also be discussed. A goal will be to debate what specifically allowed the classic articles to change the way we think. What sets them apart?

Note: Expected to be given in 2010–11.

Prerequisite: For undergraduates: Science of Living Systems 20 or its predecessors or MCB 80 required, or permission of instructor. For graduate students, permission of instructor.

***Psychology 1357. Puzzles of the Mind: Humans, Animals, Robots: Seminar - (New Course)**

Catalog Number: 87888 Enrollment: Limited to 25.

Güven Güzelde

Half course (spring term). Tu., 3–6.

An interdisciplinary comparative study of human, animal, and robot minds. Particular emphasis on philosophical questions that frame the problems, and recent work in psychology, cognitive science, and neuroscience that attempt to tackle them empirically. Relation between consciousness and cognition, language and thought, conscious versus unconscious information processing, Manifestations of mental capacities in different underlying substrates: the human brain, nervous systems of non-human animals, and silicon-based computational systems. Additional readings from cognitive ethology and artificial intelligence.

Prerequisite: Science of Living Systems 20 or its predecessors and one from Psychology 13, 15, 16, or 18, or Molecular and Cellular Biology 80, or coursework in philosophy.



[*Psychology 1359. Words, Actions, and Objects]

Catalog Number: 4851

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Examines the organization of conceptual and lexical knowledge in the brain. Neuropsychological and neuroimaging evidence is discussed in the context of theories of the organization of conceptual knowledge and the lexical system.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 13.

Psychology 1430. Human Memory and Amnesia

Catalog Number: 8922

Daniel L. Schacter

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Surveys current data and theory concerning human memory and amnesia from cognitive, neuroimaging, and neuropsychological perspectives. Topics considered include short-term memory, encoding and retrieval processes, forgetting, memory distortion, implicit memory, drug effects on memory, amnesic syndromes, and aging memory.

Prerequisite: Science of Living Systems 20 or its predecessors plus either Psychology 13, 15, 16, 18, Science B 29 or MCB 80.

***Psychology 1501. Social Psychology of Organizations**

Catalog Number: 0823 Enrollment: Limited to 45.

J. Richard Hackman

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Surveys interpersonal and group processes in organizational settings. Includes how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team behavior and performance; power dynamics in organizations; intergroup relations; the leadership of groups and organizations. Group project required.

Prerequisite: Science of Living Systems 20 or its predecessors and at least one additional course with substantial psychological content.

[Psychology 1505. Social Cognition]

Catalog Number: 3334

Ellen J. Langer

Half course (spring term). Hours to be arranged.

The cognitive underpinnings of numerous social psychological phenomena, including traditional topics in social psychology such as attribution making, impression formation, stereotyping, prejudice, self knowledge, affect, judgment and decision making, nonverbal communication in theory and application will be explored. Special attention will be given to these phenomena through the lens of mindfulness and mindlessness.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors and either Psychology 13 or Psychology 15.



[*Psychology 1506. Social Neuroscience]

Catalog Number: 4847

Joshua D. Greene

Half course (spring term). Hours to be arranged.

What can studying the brain teach us about human social behavior? Topics include emotion, social perception and attribution, personality, neurological disorders affecting social behavior, modularity in social cognition, economic decision-making, moral judgment, free will and legal responsibility, the neural basis of the self, comparative social cognition, the evolution of human sociality, and neuroethics.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors plus either Psychology 13, Psychology 15 or MCB 80.

***Psychology 1551. Mind Perception**

Catalog Number: 2481 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (fall term). M., 2:30–4:30. EXAM GROUP: 7, 8, 9

Examines processes involved in perceiving the minds of others, and how these processes are modified for exceptional cases such as the minds of animals, robots, children, groups, enemies, victims, supernatural agents, and the dead.

Prerequisite: Science of Living Systems 20 or its predecessors plus any one of Psychology 13, 15, 16, 18, or MCB 80

***Psychology 1554. Decision Making and Negotiation: Seminar - (New Course)**

Catalog Number: 89265 Enrollment: Limited to 20.

Greg M. Barron (Business School)

Half course (spring term). W., 1–3.

The course will improve your decision making and negotiating skills and knowledge. We will survey normative and prescriptive models of how people make decisions. From a prescriptive side, we will explore the research on systematic mistakes people make in judgment and decision making with a focus on psychological aspects of the decision making process. In applying decision theory to negotiations we will learn the dynamics of claiming and creating value in both theory and practice.

Prerequisite: Science of Living Systems 20 or its predecessors and a Tier 2 course.

[*Psychology 1572. Stress and Health: Concentration Seminar]

Catalog Number: 0059 Enrollment: Limited to 20. Limited to undergraduates.

Wendy Mendes

Half course (fall term). Hours to be arranged.

This seminar will explore issues at the intersection of psychology and medicine, specifically how psychological states, such as stress, motivation, and emotion affect functioning of biological systems including mental and physical health and the etiology and progression of disease states.

Note: Expected to be given in 2010–11. Limited to undergraduates.

Prerequisite: Science of Living Systems 20 or its predecessors; plus at least one of the following courses: Psychology 13, Psychology 15, Psychology 16, Psychology 18, or MCB 80.



Psychology 1604. Social Development - (New Course)

Catalog Number: 92302

Craig Elliot Smith

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

How do we develop as social beings from infancy to adulthood? What is social competence, and how can social development go awry? In exploring these and other questions, this course will take a developmental approach to topics that include: attachment; early-emerging social behavior; cooperation and competition; trust; theory of mind; social categorization; in/out-group dynamics; friendship; distinct forms of aggression and victimization; social and moral reasoning; and parental, peer, and cultural influences on social behavior.

Prerequisite: Science of Living Systems 20 or its predecessors plus either PSY 15 or PSY 16.

Psychology 1607. Cognitive Development, Education, and the Brain

Catalog Number: 9014

Kurt W. Fischer (Education School), Howard E. Gardner (Education School) (spring term), and David Matthew Rose (Education School) (fall term)

Full course (indivisible). M., W., 10–12. EXAM GROUP: Fall: 3, 4

An integrative survey of knowledge and research in cognitive development and neuroscience from infancy through early adulthood. Topics include normal cognitive and emotional development and brain development and their relation to learning and education.

Note: Offered jointly with the Graduate School of Education as HT 100.

***Psychology 1651r (formerly *Psychology 1651). Language Development: Undergraduate Laboratory Course: Research Seminar**

Catalog Number: 6484

Jesse Snedeker 4118

Half course (fall term; repeated spring term). Hours to be arranged.

Students participate in research on language acquisition, language comprehension, and language production. Each student has responsibility for a project. Weekly meeting to discuss student projects and readings that are relevant to them. Ten hours a week commitment (includes lab meeting).

Note: For undergraduates seeking research experience, especially in preparation for undergraduate theses.

Prerequisite: Science of Living Systems 20 or its predecessors plus either Psychology 13 or Psychology 16.

***Psychology 1652r. Laboratory in Early Cognitive Development**

Catalog Number: 9913

Elizabeth S. Spelke

Half course (fall term; repeated spring term). Fall: W., at 3; Spring: Th., at 4. EXAM GROUP: Fall: 8; Spring: 18

An introduction to issues and methods in the study of cognition in human infants and young children. Students develop their own research projects, evaluate the ongoing and proposed projects of other students, and read and discuss papers on the development of perception and reasoning about objects, agents, space, and number.



***Psychology 1654. Topics in Cognitive Development: Seminar - (New Course)**

Catalog Number: 44735 Enrollment: Limited to 12.

Elizabeth S. Spelke

Half course (fall term). Tu., 2–4.

This seminar considers the origins and nature of human knowledge, by focusing on the development of knowledge in four broad domains: knowledge of objects and their mechanical relationships, knowledge of number and mathematics, knowledge of geometry and spatial layout, and knowledge of other people and their social relationships. Students will write short papers in response to weekly readings, as well as a longer paper at the end of the term.

Prerequisite: Science of Living Systems 20 or its predecessors or its equivalent plus a Tier 2 course.

***Psychology 1655r. Conceptual Development: Undergraduate Laboratory Course**

Catalog Number: 1865

Susan E. Carey

Half course (fall term; repeated spring term). Hours to be arranged.

Students participate in research on conceptual development and language acquisition. Each student has responsibility for a project. Weekly lab meeting to discuss student projects and readings relevant to them. Ten hours a week commitment (includes lab meeting).

Note: Open to undergraduates seeking research experience, especially in preparation for undergraduate theses.

Psychology 1701. Personality Psychology

Catalog Number: 4538

Julia K. Boehm

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to personality psychology. Reviews the major developments and debates in the area of personality. Covers a variety of approaches to understanding individual differences, including temperament, traits (factor analytic models), cognitive models, behavioral genetics, neurobiological processes, and person situation interaction.

Prerequisite: Science of Living Systems 20 or its prerequisites, and any Tier 2 course.

[Psychology 1801. Anxiety Disorders]

Catalog Number: 4906

Richard J. McNally

Half course (spring term). Hours to be arranged.

Concerns current theory and research on the etiology and treatment of anxiety disorders (e.g., panic disorder, obsessive-compulsive disorder, social phobia, post-traumatic stress disorder).

Cognitive, behavioral, and biological approaches are emphasized.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 18.

[Psychology 1808. Neurobiological Aspects of Psychopathology]

Catalog Number: 9917

Diego Pizzagalli

Half course (fall term). Hours to be arranged.



Provides an introduction to the study of psychopathology (e.g., mood, anxiety, eating, and personality disorders and schizophrenia) from a neurobiological perspective. The course will include sections on neuroanatomy, psychopharmacology, genetics, and emerging trends in neuroimaging research of psychiatric disorders.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 18.

[*Psychology 1851. Clinical Psychology: Science and Practice]

Catalog Number: 6392 Enrollment: Limited to 15.

Jill M. Hooley

Half course (fall term). W., 1-3.

Extends the material covered in Psychology 18 in a more clinical direction. Provides students with an opportunity to approach issues in clinical psychology from a scientist-practitioner perspective. Focuses on how research-based approaches to the study and treatment of psychopathology can translate into high quality ethical care for patients with major psychiatric problems.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors Psychology 18; and at least one other course in psychopathology strictly required.

***Psychology 1853. Self-Destructive Behaviors**

Catalog Number: 0615

Matthew K. Nock

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Why do some individuals intentionally engage in behaviors that cause themselves direct bodily harm, such as suicide and self-mutilation? We explore past and current models for understanding self-harm behaviors. We consider the classification, etiology, assessment, and treatment of self-harm behaviors from psychological, developmental, contextual, and biological perspectives.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 18.

[Psychology 1854. Schizophrenia: Seminar]

Catalog Number: 2771 Enrollment: Limited to 20.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Examines schizophrenia and schizophrenia-spectrum disorders from biological, psychological, and psychosocial perspectives. Focuses on early (e.g., Kraepelin) and modern (e.g., DSM-IV) perspectives, clinical case descriptions of the disorder, and recent theoretical and empirical developments in understanding etiology, phenomenology, and treatment.

Note: Expected to be given in 2010–11.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 18.

***Psychology 1855. Mood Disorders: Seminar**

Catalog Number: 6867

Diego Pizzagalli

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

We examine current theory and research on the etiology, phenomenology, and treatment of mood



disorders, particularly depressive disorders. Cognitive, behavioral, and biological approaches are emphasized.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 18.

***Psychology 1861. Developmental Psychopathology**

Catalog Number: 1325

John R. Weisz

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

An overview of psychological problems and mental disorders in childhood and adolescence. Topics include internalizing conditions (e.g., anxiety, depression), externalizing conditions (e.g., conduct disorder and ADHD), eating disorders, autism, and child maltreatment. Theoretical perspectives, diagnostic criteria, etiology, and treatment approaches are examined.

Prerequisite: Science of Living Systems 20 or its predecessors and Psychology 18.

[Psychology 1900. Introduction to Statistics for the Behavioral Sciences]

Catalog Number: 4016

Yaoda Xu

Half course (spring term). M., W., at 3 and an additional lab to be scheduled.

Provides a conceptual and practical introduction to statistics used in psychology and other behavioral sciences. Covers basic topics in statistics including: measures of central tendency and variability; probability and distributions, correlations and regression, hypothesis testing, t-tests, analysis of variance, and chi-square tests. Includes a lab section with instruction in statistical analysis using a computer program.

Note: Expected to be given in 2010–11. Open to freshmen with permission of instructor. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

***Psychology 1901. Methods of Behavioral Research**

Catalog Number: 3811 Enrollment: Limited to 25. Limited to 25 per section

Fall: Nakayama M., 11-12 and Caramazza M., 3-4; Spring: Alvarez M., 11-12 and Warneken T., 12-1; and labs to be arranged

Half course (fall term; repeated spring term). . EXAM GROUP: Fall: 4; Spring: 16, 17, 18

Theoretical and practical introduction to planning, conducting, reporting, and evaluating psychological research. Topics include experimental design, hypothesis generation and testing, experimental artifacts, and analysis of published research.

Prerequisite: Psychology 1900, Statistics 100, 101, 102, 104, or the equivalent.

***Psychology 1950. Intermediate Statistical Analysis in Psychology**

Catalog Number: 4889

Samuel Taylor Moulton

Half course (fall term). Lecture M., W., 1-2:30 pm ; Lab Th., 10-11:30 am.

This course offers intense, foundational exposure to psychological statistics, focusing heavily on analysis of variance (one-way, factorial, repeated-measures, mixed-model). Other topics include: exploratory data analysis, sampling distributions, null hypothesis significance testing, t-tests, fixed versus random effects, post hoc and planned comparisons, correlation, simple regression, the general linear model, chi-square tests, nonparametric statistics, confidence intervals, and



meta-analysis.

Note: Required of doctoral students in Psychology.

Prerequisite: Psychology 1900 or the equivalent, and passing score on screening examination (email instructor for scheduling).

***Psychology 1952. Multivariate Analysis in Psychology**

Catalog Number: 6191

James Sidanius

Half course (spring term). Lecture: M., W., 1-2:30; Lab: Th., 5-6:30. EXAM GROUP: 6, 7

This course introduces the empirical measurement of abstract constructs and multivariate analysis. Topics include: reliability and validity, multiple regression, exploratory and confirmatory factor analyses, discriminant analysis, canonical correlation analysis and structural equation modeling.

Prerequisite: Psychology 1900.

Cross-listed Courses

Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry

[History of Science 177. *Stories Under the Skin: The Mind-Body Connection in Modern Medicine*]

[Linguistics 130. *Psycholinguistics*]

[Linguistics 132. *Psychosemantics*]

[Neurobiology 130 (formerly Psychology 1205). *Drugs and the Brain: From Neurobiology to Ethics*]

***Neurobiology 135 (formerly *Psychology 2350). Current Topics in Cognitive Neuroscience Research**

Primarily for Graduates

***Psychology 2010. Contemporary Topics in Psychological Research**

Catalog Number: 6515

Susan E. Carey

Half course (fall term). M., Th., 4–6. EXAM GROUP: 9, 18

Advanced survey of research topics in cognition/brain/behavior, development, experimental psychopathology, clinical and social psychology.

Note: Required of, and limited to, first-year doctoral students in the department of Psychology.

***Psychology 2020ab. Cognition, Brain, and Behavior: Proseminar**

Catalog Number: 7860

Alfonso Caramazza and members of the Department

Full course (spring term). Tu., 2–4, Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

Advanced survey of research topics in cognition, brain, and behavior.

Note: Limited to first-year doctoral students in Psychology.

***Psychology 2040. Contemporary Topics in Psychopathology**

Catalog Number: 4628 Enrollment: Doctoral students in clinical psychology only.



Richard J. McNally

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Advanced survey of current topics in experimental psychopathology.

Note: Required of first- or second-year graduate students in clinical.

***Psychology 2050. History of Psychology: Seminar**

Catalog Number: 3378 Enrollment: Open to undergraduates by permission.

Richard J. McNally

Half course (spring term). M., 5–7 p.m.

Covers major issues, theories, schools of thought, and controversies integral to the development of psychology from the late 19th century to the middle of the 20th century. Readings include classic articles exemplifying these themes.

Prerequisite: For undergraduates: Psychology 1 or Science B-62 plus one from among Psychology 13, Psychology 15, Psychology 16, Psychology 18, or MCB 80.

***Psychology 2100. Research Methodology**

Catalog Number: 8552

J. Richard Hackman

Half course (spring term). Tu., Th., 8:30–10.

How to conduct empirical research, primarily with human participants. Topics include formulating problems, design strategies, developing and validating concepts, designing and assessing measures and manipulations; issues in data collection, analysis, and interpretation; and publishing findings.

Note: Limited to doctoral students. Offered alternate years.

Psychology 2110. Emotional Development: Biology, Relationships, Culture

Catalog Number: 1403

Kurt W. Fischer (Education School)

Half course (fall term). W., 4–6. EXAM GROUP: 9

Explores the connections between biology, emotions, relationships, and culture. Reviews classic work such as Darwin and psychodynamics as well as modern emotion research about attribution, development, culture, and neuroscience. Format combines discussion, debate, and lecture.

Note: Offered jointly with the Graduate School of Education as H137.

***Psychology 2150r (formerly *Psychology 2150). Social Cognitive Development: Research Seminar - (New Course)**

Catalog Number: 29628 Enrollment: Open to advanced undergraduates with permission of instructor.

Felix Warneken 6303

Half course (fall term; repeated spring term). Hours to be arranged.

Year long lab course on children's social-cognitive development and the study of cooperation from a developmental and evolutionary perspective.

Prerequisite: For undergraduates: Psychology 1 or Science B 62 plus a Tier 2 course.

***Psychology 2170. Developmental Proseminar**

Catalog Number: 6883



Susan E. Carey and members of the Department

Half course (fall term). W., 2:30–5:30. EXAM GROUP: 7, 8, 9

Proseminar in conceptual development and language acquisition.

Note: Open to all graduate students in the department and counts as one of the required two major survey courses. Open to others by permission of the instructor.

***Psychology 2185. Unconscious Processing in Vision and Action - (New Course)**

Catalog Number: 32919 Enrollment: Undergraduate enrollment encouraged with permission of instructor.

Alfonso Caramazza and Ken Nakayama

Half course (fall term). Tu., 2–4.

Events that don't reach consciousness activate a smaller set of brain structures than events that do. We review psychophysical, neuropsychological and neuroimaging research that may reveal the major brain circuits and pathways involved in unconscious processing.

Prerequisite: Psychology 1 or Science B-62 and a PSY 13 or MCB 80.

***Psychology 2190. Topics in Language Acquisition**

Catalog Number: 2529 Enrollment: Open to graduate students only.

Jesse Snedeker

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

Seminar examining alternate theories of language acquisition and assessing their empirical validity. Focuses on speech perception, word learning, semantic and early syntactic development, interactions between language acquisition and cognitive development, and children's online language comprehension.

[*Psychology 2280. Language and Human Nature]

Catalog Number: 6741 Enrollment: Undergraduates admitted with permission of instructor.

Steven Pinker

Half course (spring term). Tu., 6–8 pm.

Language as a window into human conceptions of space, time, causation, number, agency, sex, and status. The focus is on words and grammatical constructions, but also diverse phenomena like swearing, baby naming, and legal language.

Note: Expected to be given in 2010–11.

Prerequisite: For undergraduates: Psychology 1 or Science B-62; plus one from: Psychology 13, Psychology 16, Psychology 1302, or any course in the linguistics department.

***Psychology 2335r. Concepts, Actions, Objects (CAOs): Research Seminar**

Catalog Number: 5121 Enrollment: Open to undergraduates with permission of instructor.

Alfonso Caramazza

Half course (fall term; repeated spring term). Hours to be arranged.

Discussion of current research on the organization of conceptual and lexical knowledge. We will also discuss ongoing research by participants in the seminar.

Note: Open to graduate and undergraduate students involved in research in language.

***Psychology 2340. Understanding the Mind and Brain through Visual Cognition - (New Course)**



Catalog Number: 77781 Enrollment: Open to undergraduates with permission of instructor.

George Angelo Alvarez and Yaoda Xu

Half course (spring term). W., 11–1.

Explores how empirical findings and theoretical positions in the area of visual cognition elucidate how the mind and brain work.

Prerequisite: PSY 1 or Sci B-62 plus either PSY 13 or MCB 80

[*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects]

Catalog Number: 6215

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Focuses on recent issues in language processing. Research findings from various areas and different approaches are considered, including neuroimaging studies, cross-linguistic investigations, aphasia research, and bilingualism.

Note: Expected to be given in 2010–11. Open to undergraduates with permission of instructor.

[*Psychology 2351. Construction and Function of Memory: Seminar]

Catalog Number: 3512

Daniel L. Schacter and Randy L. Buckner

Half course (fall term). Hours to be arranged.

What is memory for? We examine issues of memory structure in light of questions concerning memory function, including errors and distortions and the ways memory informs decisions about future reactions.

Note: Expected to be given in 2010–11.

***Psychology 2352r. Laboratory for Social Cognitive Neuroscience**

Catalog Number: 6187

Jason P. Mitchell

Half course (fall term; repeated spring term). F., 1:30–3:30. EXAM GROUP: 6, 7, 8

Provides instruction and experience in conducting research on social cognition via the methods of cognitive neuroscience. Special focus on issues of mental state inference, stereotyping, and the self.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

***Psychology 2354r. Advanced Laboratory in Cognitive Neuroscience**

Catalog Number: 0838

Randy L. Buckner

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). Th., at 4. EXAM GROUP: 18

Focuses on how to do research on visual cognition and related topics. Students learn to conduct



experiments, including fundamentals of experimental design and data analysis. Concludes with formal written report and presentation of research.

Prerequisite: Open to undergraduates only if they've met the following prerequisites and have permission of the instructor: Psychology 1 or Science B-62; Psychology 13 or Psychology 1352 or MCB 80; and Statistics.

***Psychology 2356r. Visual Cognition: Research Seminar**

Catalog Number: 4407 Enrollment: Limited enrollment.

George Angelo Alvarez, Ken Nakayama, and Yaoda Xu

Half course (fall term; repeated spring term). Hours to be arranged.

Discussion of current research on visual cognition (how we perceive, attend to, and remember visual information). We will also discuss ongoing research by participants in the seminar.

Note: Open to graduate and undergraduates.

***Psychology 2358r. Memory: Research Seminar**

Catalog Number: 0141

Daniel L. Schacter

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Limited to students involved in research.

[*Psychology 2381. Hot Topics in Cognitive Science and Neuroscience] - (New Course)

Catalog Number: 81736 Enrollment: Undergraduates welcome with permission of instructor.

Marc D. Hauser and Alfonso Caramazza

Half course (spring term). Tu., 1–3.

Explores how research with different methods (behavior, neuroimaging, neurophysiology) and populations can be integrated to understand mental representations and their neural organization. Topics include representations of objects, actions and words, language and social decision-making.

Note: Expected to be given in 2010–11.

Prerequisite: Psychology 13 or MCB 80.

[*Psychology 2400. Cognitive Psychology and Emotional Disorders]

Catalog Number: 6138

Richard J. McNally

Half course (fall term). Hours to be arranged.

Research and theory on the application of cognitive psychology methods applied to the understanding of anxiety and mood disorders.

Note: Expected to be given in 2010–11. Limited to graduate students.

[*Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders]

Catalog Number: 8446

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Covers current cognitive-behavioral approaches to the treatment of common psychological disorders in adults. Emphasis is on the practical aspects of treatment, and on treatment outcome



research. Includes theoretical underpinnings of cognitive-behavioral therapy.

Note: Expected to be given in 2010–11. Limited to Harvard graduate students in clinical psychology.

[*Psychology 2430. Cultural and Individual Diversity]

Catalog Number: 9756

Matthew K. Nock

Half course (fall term). Hours to be arranged.

Examines cultural, racial, ethnic, and other individual differences in human behavior which affect the practice of psychology. Reviews current science examining the relations between these factors and human behavior, psychopathology, and provision of psychological services.

Note: Expected to be given in 2010–11. Limited to Harvard doctoral students in clinical psychology.

***Psychology 2436r. Social Neuroscience and Psychopathology Laboratory**

Catalog Number: 9962

Christine Hooker

Half course (fall term; repeated spring term). Hours to be arranged.

Provides instruction and experience in conducting research on social cognitive processes as they relate to psychopathology. Cognitive neuroscience methods, such as fMRI, are emphasized.

Prerequisite: Psychology 18

***Psychology 2441. Clinical Neuroscience**

Catalog Number: 7913

Diego Pizzagalli

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Provides a comprehensive review of neuroscientific approaches to understanding key biological systems involved in various forms of psychopathology. Implications for treatment and diagnosis will be emphasized. Open to advanced undergraduates with permission of instructor.

Prerequisite: Psychology 18 or MCB 80.

***Psychology 2445. Psychological Treatment Research**

Catalog Number: 1835

Matthew K. Nock

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Review theories of behavior change, methods of studying such change (single-case research designs, randomized clinical trials, etc.), and current evidence-based approaches to assessing and treating psychopathology. Examines historical, ethical, and cultural issues.

Note: Open to undergraduates with permission of instructor.

Prerequisite: Psychology 1 and Psychology 18.

Psychology 2446r. Clinical Research Laboratory

Catalog Number: 5628

Jill M. Hooley

Half course (fall term; repeated spring term). Hours to be arranged.

Provides instruction and experience conducting clinical research in laboratory and clinical



settings, with a special focus on severe psychopathology. Topics will include: Self-Injurious behaviors, depression, and adult attachment patterns in close relationships.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

[*Psychology 2450. Affective and Social Neuroscience]

Catalog Number: 9796

Diego Pizzagalli

Half course (spring term). Hours to be arranged.

Reviews two emerging fields in neuroscience, affective and social neuroscience. Through integration of human and animal data, the course focuses on mapping affect, motivation, and social cognition to brain function.

Note: Expected to be given in 2010–11. Open to advanced undergraduates with permission of instructor.

Prerequisite: Psychology 1 or Science B-62 plus any Tier 2 course.

***Psychology 2460. Diagnostic Interviewing**

Catalog Number: 4157 Enrollment: Limited to 12.

Jill M. Hooley

Half course (fall term). Hours to be arranged.

Students develop clinical interviewing and diagnostic skills using the Structured Clinical Interview for DSM-III-R and other instruments. Examines issues in diagnosis and assessment; provides exposure to psychopathology syndromes via tapes and clinical interviews.

Note: Graduate students only.

Prerequisite: Psychology 2040.

Psychology 2461r. Laboratory for Clinical and Developmental Research

Catalog Number: 8042

Matthew K. Nock

Half course (fall term; repeated spring term). F., at 3. EXAM GROUP: Fall: 8

Provides instruction and experience in conducting clinical research in laboratory and clinical settings, with a special focus on developmental psychopathology.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

***Psychology 2464. Research Methods in Child & Adolescent Clinical Psychology**

Catalog Number: 4638

John R. Weisz

Half course (spring term). Th., 1:30–3. EXAM GROUP: 15, 16

Advanced laboratory methods seminar on designing and conducting research on child and adolescent mental health problems and interventions, especially in school and mental health care settings. Problem areas include depression, anxiety, and disruptive conduct.

Note: The class will be conducted at the Judge Baker Children's Center in Boston.

Prerequisite: For undergraduates: PSY 1 and PSY 18 plus a statistics course.

[*Psychology 2480. Human Neuropsychology/Neuroanatomy: Seminar]

Catalog Number: 4335

William P. Milberg (Medical School)



Half course (fall term). Hours to be arranged.

Introduction to the anatomical structure of the human brain. Emphasis on neuropsychological correlates and cortical representation of higher cognitive functions. Gross brain dissection laboratory and discussions of descriptive and theoretical aspects of clinical neuropsychological phenomena.

Note: Expected to be given in 2010–11. Preference given to graduate students who have completed Psychology 2010; if space is available, qualified undergraduates who have taken MCB 80 may enroll with permission of instructor.

[Psychology 2482. Neuropsychological Assessment]

Catalog Number: 3669 Enrollment: Limited to 12.

William P. Milberg (Medical School)

Half course (fall term). Hours to be arranged.

Introduction to the theory and technique of assessing higher mental functions in brain-damaged patients. Topics include a comparison of currently available test batteries, clinical localization of cortical functions, and behavioral neurology.

Note: Expected to be given in 2010–11. Preference given to graduate students who have completed Psychology 2010 and Psychology 2480; if space is available, qualified undergraduates who have taken MCB 80 may enroll with permission of instructor.

[*Psychology 2500. Advanced Social Psychology]

Catalog Number: 5094

Daniel M. Wegner

Half course (spring term). Hours to be arranged.

Advanced survey of classic and current research and theory in social psychology, including self, social cognition, attitudes, social influence, altruism and aggression, prejudice and discrimination, close relationships, and group dynamics.

Note: Expected to be given in 2010–11. For doctoral students only.

***Psychology 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner

Half course (fall term; repeated spring term). F., at 12 or another hour to be arranged, and additional research hours to be arranged. EXAM GROUP: 5

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

Prerequisite: For undergraduates: Psychology 1 plus any one of Psychology 13, 15, 16, 18, or MCB 80.

[*Psychology 2552. Moral Cognition]

Catalog Number: 2142

Joshua D. Greene

Half course (spring term). Hours to be arranged.

Examines morality from cognitive, developmental, neuroscientific, evolutionary, and philosophical perspectives. Emphasizes new research on moral judgment using cognitive and



neuroscientific methods.

Note: Expected to be given in 2010–11. Undergraduates admitted with permission of instructor.

***Psychology 2553r. Decision Making and Negotiation: Research Seminar**

Catalog Number: 4679

Max H. Bazerman (Business School)

Half course (fall term; repeated spring term). Hours to be arranged.

This seminar provides lab experience in behavioral approaches to decision making and negotiation.

Note: Open to students working on research in the instructor's laboratory. Offered jointly with the Business School as 4425.

***Psychology 2554r. Moral Cognition: Research Seminar**

Catalog Number: 9481

Joshua D. Greene

Half course (fall term; repeated spring term). Hours to be arranged.

Year long lab course for students engaged in research on moral cognition.

[*Psychology 2555r. Emotion and Decision Making: Research Seminar]

Catalog Number: 3371

Jennifer Lerner (Kennedy School)

Half course (fall term; repeated spring term). Hours to be arranged.

Includes 10-12 hours of lab work per week. Lab methods course to consider connections among theories of judgment and decision making and data. Students may design and conduct an experiment.

Note: Expected to be given in 2010–11. A 10-page final research paper is required. Admitted students required to participate for two consecutive semesters, which may include a summer session if desired. Offered jointly with the Kennedy School as MLD-311 in fall term or MLD-312 in spring term.

***Psychology 2570r. Intergroup Relations: Research Seminar**

Catalog Number: 4440

James Sidanius

Half course (fall term; repeated spring term). Fall: Th., 5–7 p.m.; Spring: Th., 1:30–3.

The seminar provides students with research experience concerning different forms of intergroup conflict, including the social psychology of interracial and interethnic conflict, and the social psychology of war and aggression.

***Psychology 2580r. Affective Forecasting: Research Seminar**

Catalog Number: 4262

Daniel T. Gilbert

Half course (fall term; repeated spring term). Hours to be arranged.

Topic to be announced.

Note: Open to students working on research in the instructor's laboratory.



[*Psychology 2590. Controversies in Emotion Research]

Catalog Number: 1163

Wendy Mendes

Half course (spring term). Hours to be arranged.

Theoretical and empirical issues related to emotion from a psychological perspective. Topics include biological and neuropsychological foundations, developmental changes, functional theories, social and cultural construction, and the influence of emotion on health and well-being.

Note: Expected to be given in 2010–11. Open to graduate students only.

[*Psychology 2600. Consciousness]

Catalog Number: 6812

Daniel M. Wegner

Half course (spring term). Hours to be arranged.

Examines the experimental study of consciousness, including both normal awareness and altered or disordered conscious states.

Note: Expected to be given in 2010–11. Undergraduates may enroll with permission of instructor.

Prerequisite: For undergraduates: any Tier 2 course (PSY 13, PSY 15, PSY 16, PSY 18, MCB 80).

***Psychology 2610r. Social Psychophysiology: Research Seminar**

Catalog Number: 0190

Wendy Mendes

Half course (fall term; repeated spring term). Fall: M., at 5 p.m. for undergraduate students, M., at 6-7:30 p.m. for graduate students; Spring: M., 6-7:30 p.m.

This seminar provides lab experience in physiological acquisition obtained from studies examining stress, motivation, and emotion.

Note: Limited to graduate students and undergraduates involved in research in the instructor's laboratory.

Prerequisite: For undergraduates: Psychology 1 or Science B-62; plus one from Psychology 13, Psychology 15, Psychology 16, Psychology 18, or MCB 80.

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Catalog Number: 0991

J. Richard Hackman

Half course (fall term). Hours to be arranged.

Topics include how groups and organizations affect individual members and vice versa; interpersonal and group processes; work team effectiveness; power, political, and intergroup dynamics; group and organizational leadership.

Note: Expected to be given in 2010–11. Limited to doctoral students. Students are expected to attend the lectures of Psychology 1501.

***Psychology 2640r. The Understand Seminar**

Catalog Number: 7865

Mahzarin R. Banaji

Half course (fall term; repeated spring term). W., 2:30–4:30. EXAM GROUP: 7, 8, 9



Topic to be announced.

Note: Open to graduate students involved in research in the instructor's laboratory, and to select juniors and seniors.

[*Psychology 2650. Behavioral Approaches to Decision Making and Negotiation]

Catalog Number: 7147

Max H. Bazerman (Business School)

Half course (spring term). Hours to be arranged.

Research overview of behavioral decision making and decision analytic perspectives to negotiation. Explores bounded rationality, decision biases, human decision making. Develops a behavioral decision perspective to negotiation, and examines how the field is currently evolving.

Note: Expected to be given in 2010–11. Offered jointly with the Business School as 4420 and with the Kennedy School as MLD-308. Open to juniors and seniors in psychology and economics who are writing, or plan to write, a senior thesis.

***Psychology 2660r. Research Seminar in Mindfulness Theory**

Catalog Number: 4909

Ellen J. Langer

Half course (fall term; repeated spring term). Hours to be arranged.

Mindfulness/mindfulness theory is compared/contrasted to relevant theories in social psychology, psychopathology, and cognitive psychology.

***Psychology 2670a. Decision Making and the Psychology of Possibility**

Catalog Number: 1193

Ellen J. Langer

Half course (fall term). Tu., 1:30–3:30. EXAM GROUP: 15, 16, 17

Topics in decision making such as rationality, risk-taking, helplessness, and health are examined through the lens of mindfulness theory. Special emphasis given to the psychology of possibility in applied settings.

Note: Open to qualified undergraduates.

Prerequisite: An introductory psychology course and a Tier 2 course.

[*Psychology 2670b. Decision Making and the Psychology of Possibility II]

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). Hours to be arranged.

A deeper exploration into the theoretical and experimental issues pertaining to decision making and the psychology of possibility, raised in Psychology 2670a.

Note: Expected to be given in 2010–11. Open to qualified undergraduates.

Prerequisite: Psychology 2670a .

[*Psychology 2751. Free Will, Responsibility, and Law]

Catalog Number: 7235

Joshua D. Greene

Half course (fall term). Hours to be arranged.

Examines the issues of free will and responsibility from philosophical, psychological, and



neuroscientific perspectives, with special attention paid to potential legal applications.

Note: Expected to be given in 2010–11.

Prerequisite: For undergraduates: Psychology 1 or Science B-62; plus Psychology 13, 15, 16, or 18.

[*Psychology 2752. Personality Disorders Seminar]

Catalog Number: 8245

Christine Hooker

Half course (spring term). Hours to be arranged.

We explore current theory and research on the definition, etiology, phenomenology, and treatment of personality disorders. Biological, cognitive, behavioral, and psychosocial perspectives are examined.

Note: Expected to be given in 2010–11. Open to graduates and advanced undergraduates.

Prerequisite: Psychology 1 or Science B-62 and Psychology 18.

***Psychology 2851r. Affective Neuroscience: Research Seminar**

Catalog Number: 4937

Diego Pizzagalli

Half course (fall term; repeated spring term). M., at 1. EXAM GROUP: 6

Provides lab experience in conducting research in the field of affective neuroscience. Students learn to design and conduct experiments and perform data analysis of behavioral, EEG, and fMRI data.

Note: Open to graduate and undergraduate students working in the instructor's laboratory.

Cross-listed Courses

African and African American Studies 241. Topics in African American Social Science
[Music 235r. Cognitive Theories of Music]

Graduate Courses of Reading and Research

***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

George Angelo Alvarez 6093, Mahzarin R. Banaji 4258, Randy L. Buckner 5370, Alfonso Caramazza 1871, Susan E. Carey 4113, Daniel T. Gilbert 2359, Joshua D. Greene 5594, J. Richard Hackman 1504, Marc D. Hauser 3347, Christine Hooker 5768 (on leave 2009-10), Jill M. Hooley 1191 (on leave spring term), Stephen M. Kosslyn 7836, Ellen J. Langer 4967 (on leave spring term), Richard J. McNally 2978, Wendy Mendes 5033 (on leave 2009-10), Jason P. Mitchell 5481 (on leave 2009-10), Ken Nakayama 2558, Matthew K. Nock 4645, Steven Pinker 4733 (on leave spring term), Diego Pizzagalli 4425, Daniel L. Schacter 2805 (on leave fall term), James Sidanius 5371, Jesse Snedeker 4118, Elizabeth S. Spelke 3850 (on leave spring term), Felix Warneken 6303, Daniel M. Wegner 3758 (on leave spring term), John R. Weisz 6001, and Yaoda Xu 6094



***Psychology 3020. Direction of Doctoral Dissertations**

Catalog Number: 4492

Members of the Department and others listed under Psychology 3010

***Psychology 3050. Clinical Practicum**

Catalog Number: 6299

Richard J. McNally 2978 and Matthew K. Nock 4645

Half course (fall term; repeated spring term). Hours to be arranged.

Students work in clinical settings locally and, under supervision, are directly involved in the treatment and clinical care of patients.

Note: Limited to Harvard doctoral students in clinical psychology.

***Psychology 3070. Clinical Assessment and Treatment Practicum**

Catalog Number: 4439

Jill M. Hooley 1191 (on leave spring term) and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Faculty interview psychiatric inpatients to demonstrate establishing treatment alliances, gathering histories, and initial assessment. Group discussion will consider how theoretical principles are applied to clinical work.

Note: Limited to graduate students in clinical psychology.

[*Psychology 3080. Practicum in Clinical Neuropsychological Assessment]

Catalog Number: 3583

William P. Milberg (Medical School) 7912

Half course (spring term). Hours to be arranged.

Seminar for advanced doctoral students in clinical psychology; uses a case conference format to discuss the administration and interpretation of neuropsychological tests. Emphasizes integrating scientific literature and methods into the process of clinical decision making.

Note: Expected to be given in 2010–11. Limited to Harvard doctoral students in clinical psychology.

Prerequisite: Psychology 2480 and 2482.

***Psychology 3200. Research Seminar in Clinical Science**

Catalog Number: 6455

Matthew K. Nock 4645 and Diego Pizzagalli 4425

Half course (fall term; repeated spring term). W., 4–5:30.

Provides a forum for presenting and discussing current research in experimental psychopathology/clinical psychology. Presenters include graduate students, faculty, and outside speakers.

***Psychology 3220 (formerly *Psychology 2220a). Developmental Studies: Seminar**

Catalog Number: 4672

Susan E. Carey 4113 (spring term only) and Elizabeth S. Spelke 3850 (on leave spring term) (fall term only)

Half course (fall term; repeated spring term). M., 2:30–4.

Research seminar open to graduate students conducting research in cognitive development.



***Psychology 3240. Research Seminar in Cognitive Development**

Catalog Number: 5142

Elizabeth S. Spelke 3850 (on leave spring term)

Half course (fall term; repeated spring term). Th., 2:30–4. EXAM GROUP: 16, 17

***Psychology 3250. Psychological Testing**

Catalog Number: 7164

Marla D. Eby (Medical School) 5333 (spring term only)

Half course (spring term). Hours to be arranged.

This weekly seminar for graduate students in clinical psychology is designed to provide basic skills in administering and interpreting standardized tests in the areas of intellectual assessment and personality assessment.

Note: Open to Harvard doctoral students in clinical psychology.

***Psychology 3260 (formerly *Psychology 2360). Conceptual Development: Research Seminar**

Catalog Number: 6601

Susan E. Carey 4113

Covers research methods for the study of conceptual development throughout the life span. All students must be currently engaged in experimental research.

***Psychology 3270 (formerly *Psychology 2270). Language Acquisition: Research Seminar**

Catalog Number: 0770

Jesse Snedeker 4118

Half course (spring term). Hours to be arranged.

Covers research methods for language acquisition and language comprehension throughout the life span. All students must be currently engaged in experimental research.

***Psychology 3340. Research Seminar in Cognition, Brain, and Behavior**

Catalog Number: 1754

Yaoda Xu, George Alvarez, and members of the Department

Half course (fall term; repeated spring term). Th., 12–1:30.

Researchers in CBB, including graduate students, postdoctoral fellows, and faculty, present and discuss current research in cognitive science. Topics include memory, language, vision, mental imagery, concepts, animal and infant cognition, and related areas.

***Psychology 3360. Current Topics in Vision and Sensory Processes**

Catalog Number: 0604

George Angelo Alvarez 6093, Ken Nakayama 2558, and Yaoda Xu 6094

Half course (fall term; repeated spring term). Tu., 12–1:30.

[*Psychology 3400. Developmental Psychopathology Research Workshop]

Catalog Number: 3205

Matthew K. Nock 4645

Research presentation series aimed at understanding developmental influences on the occurrence of psychopathology. This workshop welcomes graduate students, faculty, and other scientists



from divergent research areas to facilitate cross-disciplinary advances on developmental psychopathology.

Note: Expected to be given in 2010–11.

***Psychology 3420. Research Workshop in Social Psychology**

Catalog Number: 7610

Joshua D. Greene 5594

Half course (fall term; repeated spring term). Tu., 12–1:30.

Provides a forum for the presentation, discussion, and critique of current research in social psychology. Presenters include graduate students and faculty in social psychology plus visitors.

[*Psychology 3490. Advanced Statistical Methods Workshop]

Catalog Number: 8235

Wendy Mendes 5033 (on leave 2009-10)

Half course (fall term; repeated spring term). M., at 12.

Discussion and presentation of advanced statistical techniques. Experts will present on specific topics such as Hierarchical Linear Modeling, Structural Equation Modeling, MDS, and Network Analysis, among others.

Note: Expected to be given in 2010–11.

***Psychology 3500. Psychological Science: Talking Points**

Catalog Number: 5341

Steven Pinker 4733 (on leave spring term)

Half course (fall term). Th., 4–6.

A graduate companion course to “The Human Mind,” which explores the theories and controversies in greater depth. Topics include nature and nurture, reductionism, determinism, religion and science, consciousness, violence, politics, sex differences, and rationality.

Note: Enrollment is limited to teaching fellows for “The Human Mind” and graduate students who have obtained the permission of the instructor.

***Psychology 3550. Teaching Psychology**

Catalog Number: 0853

Mahzarin R. Banaji 4258

Half course (fall term; repeated spring term). W., at 12.

Note: Limited to and required of Sophomore Tutors.

***Psychology 3555. Instructional Styles in Psychology**

Catalog Number: 6831

Daniel T. Gilbert 2359 and members of the Department

Half course (spring term). W., 11–12:30.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

[*Psychology 3600. The Origins of Knowledge: Talking Points]

Catalog Number: 0489

Elizabeth S. Spelke 3850 (on leave spring term)



Half course (fall term). Hours to be arranged.

Graduate companion course to *Origins of Knowledge*, which explores the theories and controversies in greater depth. Topics include the evolutionary, cultural, and ontogenetic origins of representational capacities, including space, number, objects, agents, language, and intuitive theories.

Note: Expected to be given in 2010–11. Limited to students in the Psychology Department or to those who have obtained permission of the instructor.

***Psychology 3610. Leadership and Group Behavior: Research Seminar**

Catalog Number: 5748

J. Richard Hackman 1504

Half course (fall term; repeated spring term). Fall: W., 12–2.

Workshop on theory and methods that are relevant to the conduct of empirical research on purposive groups. Participation is restricted to students who are conducting such research.

***Psychology 3800. Psychometric Theory**

Catalog Number: 0607

Richard J. McNally 2978

Half course (fall term). M., 4–6.

Covers basic psychometric theory and methods essential for reliable and valid measurement. Reliability, validity, and generalizability reviewed. Detailed survey of techniques used to create and evaluate a scale.

Note: Limited to Harvard graduate students in clinical psychology.

[*Psychology 3900 (formerly *Psychology 2900). Professional Ethics]

Catalog Number: 6702

Jill M. Hooley 1191 (on leave spring term)

Half course (spring term). .

Examines ethical principles and legal issues involved in the practice of psychology, with an emphasis on clinical psychology. Covers ethical principles and code of conduct; uses case examples to highlight the application of these principles.

Note: Expected to be given in 2010–11. Limited to graduate students.

Public Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Public Policy



Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*) (*Chair*)
 Alberto Abadie, Professor of Public Policy (*Kennedy School*)
 Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)
 Mary Jo Bane (*Kennedy School*)
 Iris Bohnet, Professor of Public Policy (*Kennedy School*)
 George J. Borjas, Robert W. Scrivner Professor of Economics and Social Policy (*Kennedy School*)
 Hannah Riley Bowles, Associate Professor of Public Policy (*Kennedy School*)
 William C. Clark, Harvey Brooks Professor of International Science Public Policy and Human Development (*Kennedy School*)
 Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)
 Ricardo Hausmann, Professor of the Practice of Economic Development (*Kennedy School*)
 William W. Hogan, Raymond Plank Professor of Global Energy Policy (*Kennedy School*)
 Asim I. Khwaja, Associate Professor of Public Policy (*Kennedy School*)
 Jennifer Lerner, Professor of Public Policy and Management (*Kennedy School*)
 Dan Levy, Lecturer in Public Policy (*Kennedy School*)
 Erzo Frans Luttmer, Associate Professor of Public Policy (*Kennedy School*)
 Brigitte C. Madrian, Aetna Professor of Public Policy and Corporate Management (*Kennedy School*)
 Erich Muehlegger, Assistant Professor of Public Policy (*Kennedy School*)
 Rohini Pande, Mohamed Kamal Professor of Public Policy (*Kennedy School*)
 Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
 Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
 Stephen Martin Walt, Robert and Renee Belfer Professor of International Affairs (*Kennedy School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey Professor Professor of Political Economy (*Kennedy School*)

The doctoral program in Public Policy trains qualified candidates to shape the direction of public policy research and to prepare the next generation of teachers for programs in public policy. It also qualifies individuals to perform high-level policy analysis and prepares them for positions of leadership in the public sector. Interested applicants should contact the John F. Kennedy School of Government for application material.

All PhD candidates must demonstrate mastery of six fields of study through a combination of course work and written and oral examinations. A sophisticated understanding of the core materials in the MPP program at the Kennedy School, and a demonstrated ability to apply analytic techniques to a field of policy are critical components of the faculty decision to recommend a student to the Graduate School of Arts and Sciences for the dissertation phase of study. Once admitted to the GSAS, a student is expected to work closely with a faculty adviser and dissertation committee. Most dissertations involve the application of analytic techniques to the solution of a substantive problem. A few methodological theses concentrate on developing new analytic techniques, their usefulness to be demonstrated through explicit application to a policy issue.



For more information about the doctoral program, visit the program website at www.hks.harvard.edu/degrees/phd/peg.

The Study of Religion

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Study of Religion

Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society (*Chair*)
Ryuichi Abe, Reischauer Institute Professor of Japanese Religions
Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
M. Shahab Ahmed, Assistant Professor of the Study of Religion (*on leave fall term*)
Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)
David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America in the Faculty of Divinity and the Faculty of Arts and Sciences
Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology (*Divinity School*)
Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
Francis Fiorenza, Charles Chauncey Stillman Professor of Roman Catholic Theological Studies (*Divinity School*)
Marla F. Frederick, Morris Kahn Associate Professor of African and African American Studies and of the Study of Religion (*on leave spring term*)
Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature
William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*), John Lord O'Brian Professor of Divinity (*Divinity School*), Dean of the Faculty of Divinity (*Divinity School*)
R. Marie Griffith, John A. Bartlett Professor of New England Church History (*Divinity School*)
Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)
Charles Hallisey (*Divinity School*)
Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture
Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society
Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*)
Tamsin Jones, Lecturer on the Study of Religion
David Lamberth, Professor of Theology (*Divinity School*)
Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity (*Divinity School*)
Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions



Parimal G. Patil, John L. Loeb Associate Professor of the Humanities
Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity School*)
Michael J. Puett, Professor of Chinese History

Courses listed in this section are offered by the Committee on the Study of Religion and by various departments. The Committee is responsible for the program of concentration for undergraduates in the Comparative Study of Religion and for the program of studies leading to the PhD in The Study of Religion. Undergraduate concentrators may, with the prior approval of the Head Tutor, take courses offered by other departments and by the Divinity School for credit toward concentration requirements. Candidates for higher degrees also should consult other sections of this catalog relevant to their programs and the catalog of the Divinity School. Cross registration is required for all Divinity School courses. Many courses have separate requirements for undergraduate, masters, and doctoral students, and wherever possible also have separate discussion sections.

Courses numbered 10–999 are Primarily for Undergraduates; 1000–1999, For Undergraduates and Graduates; and 2000–2999, Primarily for Graduates.

Subsequently, courses are distributed according to their last three digits in the following sections:

000–099 General: Comparative and Methodological

100–199 Ancient Near Eastern and Israelite

200–299 Judaic

300–349 Greek, Hellenistic, and Roman

350–399 Iranian and Central Asian

400–499 Christianity

500–599 Modern Western

600–699 Hinduism

700–799 Buddhism

800–899 Islam

900–999 African and Other

Tutorials in the Comparative Study of Religion

Primarily for Undergraduates



***Religion 91r. Supervised Reading and Research**

Catalog Number: 8046

Tamsin Jones

Half course (fall term; repeated spring term). Hours to be arranged.

Study of special topics in the history and comparative study of religion on an individual or small-group basis.

Note: May not be taken Pass/Fail. Normally open only to concentrators. Permission by Director of Undergraduate Studies required.

***Religion 97 (formerly *Religion 97a and 97b). Tutorial — Sophomore Year**

Catalog Number: 2313

Tamsin Jones

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Tamsin Jones

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Tamsin Jones

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Tamsin Jones

Full course. Hours to be arranged.

A required component of the senior year tutorial is a monthly seminar, led by the Assistant Director of Undergraduate Studies. Covers research methods and strategies in thesis writing.

Note: Required of concentrators.

Introductory Courses

Primarily for Undergraduates

Religion 11. World Religions Today: Diaspora, Diversity and Dialogue

Catalog Number: 4811

Diana L. Eck

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to five of the world's religious traditions --Hindu, Buddhist, Jewish, Christian, and Muslim-- through the voices of modern adherents and interpreters of the tradition. Readings from Gandhi, the Dalai Lama, Emil Fackenheim, Pope John Paul II, Tariq Ramadan, and others.



How do people in each tradition articulate their faith in the context of globalization, pluralism, and the issues of today? What are the tensions within traditions? What are the dialogues between traditions?

Note: Offered jointly with the Divinity School as 3220.

Religion 16 (formerly Religion 1004). Religious Dimensions in Human Experience

Catalog Number: 9089

David L. Carrasco

Half course (fall term). W., 1-3.

Study of major themes in the history of religions including religious experience, society and cosmic law, ritual violence and the body, the trickster, search for the soul. Readings focus on the tension between personal memoirs and the social construction of religion in Islam, Judaism, Christian, American Indian, African American and Latino traditions. Introduction to theoretical approaches of M. Jackson, Durkheim, Eliade, Berger, J.Z. Smith, Doniger, and Nandy.

Note: Offered jointly with the Divinity School as 3160.

[Religion 17. Myth in History: An Introduction to Religion and to the Study of Religion]

Catalog Number: 5462

Charles Hallisey (Divinity School)

Half course (fall term). Tu., Th., 11, and a weekly section to be arranged.

W. C. Smith said, "the mythical can be seen as what has made human history human." Taking up this idea, this course considers myth as a basic religious phenomena; introduces four religious complexes (Ancient Greek, Christian, Islamic, and Hindu) by looking at the place of myth in each; traces the role that the category of myth has played in the academic study of religion; explores the place of myth in modern critical thinking.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3841.

[Religion 45. Introduction to Christian Thought]

Catalog Number: 9030

Tamsin Jones

Half course (spring term). M., W., at 1.

An introductory survey of Christian thought from its origins to the present. Attention given to tracking the intellectual trajectories of Eastern Orthodox, Catholic, and Protestant thought. Topics covered include the relationship between faith and reason, the identity and function of Jesus Christ, understandings of the self in relation to God, and different notions of community. Primary readings include Origen, Augustine, Anselm, Aquinas, Julian of Norwich, Luther, Barth, Lossky, Gutierrez, Daly and Cone.

Note: Expected to be given in 2010–11.

[Religion 55. The "Death of God"? Modern and Postmodern Responses to Religion]

Catalog Number: 5407

Tamsin Jones

Half course (spring term). M., W., F., at 1, and an hour to be arranged.

What is the significance of Nietzsche's announcement of the "death of God"? Upon what modern critiques of religion does it rest? In later postmodern thought, how have the emphases on the "other", "hospitality to the stranger", and "alterity" been construed as a "re-turn" to religion? This



course examines the changing understandings of religion and of God in Enlightenment and post-Enlightenment thought. Readings include Kant, Locke, Kierkegaard, Nietzsche, Buber, Levinas, Derrida and Irigaray.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School.

Religion 56. Existentialism and Religion - (New Course)

Catalog Number: 75076

Tamsin Jones

Half course (fall term). M., W., at 1, and weekly section to be arranged. EXAM GROUP: 6

In the event of the absence of God, can one still have belief? In the face of nothingness, how is one to live? Can beauty still be encountered in the aftermath of war and genocide? This course discusses various responses to these questions in philosophy, theology, literature, and film, focusing on the ideas emerging out of WWII and the Holocaust. Thinkers considered include Dostoyevsky, Sartre, de Beauvoir, Camus, Marcel, Arendt, and filmmakers, Bergman, Kurosawa, and Tarkovsky.

Note: This course, when taken for a letter grade, meets the Core area requirement for Moral Reasoning.

Cross-listed Courses

[African and African American Studies 12. What is Black Religion?: An Introduction]

Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

Culture and Belief 25 (formerly Religion 70). Studying Buddhism, Across Place and Time

Culture and Belief 28. Hindu Worlds of Art and Culture - (New Course)

Culture and Belief 31 (formerly Philosophy 19). Saints, Heretics, and Atheists: An Historical Introduction to the Philosophy of Religion

Culture and Belief 32. Back Roads to Far Places: Literature of Journey and Quest - (New Course)

Culture and Belief 36. Religion and Its Future - (New Course)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists

Moral Reasoning 76. Comparative Religious Ethics

Societies of the World 22. Asia in the Making of the Modern World - (New Course)

General: Comparative and Methodological

Primarily for Undergraduates

Cross-listed Courses

Culture and Belief 28. Hindu Worlds of Art and Culture - (New Course)

Culture and Belief 32. Back Roads to Far Places: Literature of Journey and Quest - (New Course)

Ethical Reasoning 20 (formerly Humanities 11). Self, Serenity, and Vulnerability: East and



West

***Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). History and Theory of Folklore Methodology**

[*History 83c. Care of the Soul]

[Literature and Arts A-93. The Hebrew Bible and Its Worlds]

Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity

Moral Reasoning 76. Comparative Religious Ethics

United States in the World 27. Religion and American Society: Global Traditions in a Changing Culture - (New Course)

For Undergraduates and Graduates

[Religion 1001. Religion and Ethnography]

Catalog Number: 9270

Marla F. Frederick

Half course (fall term). M., 1–3.

This course explores the use of ethnographic methods by anthropologists and scholars of religion as a means of interpreting the lived religious experiences of everyday people. Students will read contemporary ethnographies and conduct their own ethnographic research in order to discover how participant observation, interviews and other qualitative methods allow scholars to make sense of the very real religious sensibilities of worshipers, while simultaneously bringing to bear their own issues of subjectivity as ethnographers.

Note: Expected to be given in 2010–11.

***Religion 1003. Comparative Religion: History, Challenge, Potential**

Catalog Number: 1694 Enrollment: Limited to 15. Written application at the first class meeting.

Kimberley C. Patton (Divinity School)

Half course (spring term). W., 1–3.

This seminar will offer an encounter with the comparative study of religion as a method, including contemporary discussions of its problems, value, and potential. Starting with a brief historical survey of important comparative approaches, we will read current theoretical works as well as representative works of application. The individual research project will feature the creation of a comparative course syllabus and accompanying rationale.

Note: Offered jointly with the Divinity School as 3828.

[Religion 1005. World Religions in Boston: Seminar]

Catalog Number: 2655 Enrollment: Limited. Application online.

Diana L. Eck

Half course (fall term). Tu., 1–3.

Investigates religious traditions of the world in the dynamic context of the US, focusing on the presence of these traditions in the increasingly complex and diverse religious life of the Boston area today. Visits to a Hindu temple, a Sikh gurdwara, an Islamic Center, and a Buddhist temple or meditation center. Consideration of encounters, connections, and tensions with Christian and Jewish communities. Each student undertakes research on a particular community or issue in the



Boston cosmopolis.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3901.

[Religion 1007. Religion in Multicultural America: Case Studies in Religious Pluralism]

Catalog Number: 8833 Enrollment: Limited. Application online.

Diana L. Eck

Half course (spring term). Tu., 1-3.

An exploration and analysis of the dynamic multi-religious landscape of the US with special focus on Muslim, Hindu, Buddhist, and Sikh traditions. In what contexts do minority religious communities encounter long-dominant Christian and Jewish communities? How is America changing as religious communities struggle with civic, constitutional, and theological issues, especially in the post-9/11 period? Reading, discussion, and class projects will focus on particular cases and controversies.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3847. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or United States in the World, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or United States in the World, but not both.

Religion 1012a. Dreams and the Dreaming

Catalog Number: 5216

Kimberley C. Patton (Divinity School)

Half course (fall term). Th., 1-3, and an hour to be arranged. EXAM GROUP: 15, 16

Considers the role of the dream as initiation, metaphor for aboriginal time, gateway to the other world, meeting-place of the divine guide, healing event, “royal road” to the unconscious, journey, epistemological paradox, and prophecy. Theories of dreams, the history of dream interpretation in religion, and dreams in myth and ritual will be examined cross-culturally. Includes current research in the psychology and neurobiology of dreams and relevance for the theological and spiritual dimensions of human dreaming.

Note: Offered jointly with the Divinity School as 3315a. This is a divisible year-long course.

Religion 1012b. Dreams and the Dreaming

Catalog Number: 5697

Kimberley C. Patton (Divinity School)

Half course (spring term). Th., 1-3 and an hour to be arranged. EXAM GROUP: 15, 16

A continuation of Religion 1012a.

Note: Offered jointly with the Divinity School as 3315b. It is not necessary to have taken Religion 1012a/HDS 3315a to take Religion 1012b/HDS 3315b.

***Religion 1024. Tomb, Relic, and Transcendence: Seminar**

Catalog Number: 6792 Enrollment: Limited to 15. Written application at the first course meeting.

Kimberley C. Patton (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar deals with the doctrines of transcendence vs. practices of incarnation through the



"special dead": heroes, saints, and the awakened. Ancient Greek hero cult; Christian saints' tombs and relics; Islamic popular shrines of the "friends of God"; Buddhism (the 84,000 stupas of Ashoka; the relics of the Buddha). Topics include corruption and incorruptibility; collective blessing and fertility; mediation between realms; tombs as foci of pilgrimage and prayer; relics as talisman; earthly "traces" of holy persons.

Note: Offered jointly with the Divinity School as 3814.

[Religion 1029. Jewish-Christian Interaction and Conflict, ca. 200-1789]

Catalog Number: 0386

Kevin J. Madigan (Divinity School)

Half course (spring term). Tu., 1-3.

This course will examine the religious, social and economic relations that prevailed between Jews and Christians over 1500 years. Attention will be given to: Jesus of Nazareth in his context; Jews and Christians in antiquity; Jews before the First Crusade (1096); Crusade and Martyrdom; Shifts in Jewish-Christian relations in the 12th and 13th centuries; the Black Death and its consequences; Hasidism and Mysticism; the Spanish Inquisition and the Conversos; the Expulsion from Spain and select modern events.

Note: Expected to be given in 2011-12. Offered jointly with the Divinity school as HDS 2212.

[Religion 1039. Topics in Comparative Religious Ethics: Seminar]

Catalog Number: 2323

Jonathan Schofer (Divinity School)

Half course (spring term). Th., 3-5.

The specific themes of the seminar will vary from year to year, but the course will be organized around three or four key problems in the comparative study of religious ethics. Examples include: the foundations of normative claims; the significance of the body; the nature of reason or rationality; the dynamics of emotions, desires, and instincts; the relevance of categories such as the unconscious and the archaic; and various options for comparative scope and method.

Note: Expected to be given in 2010-11. Offered jointly with the Divinity School as 3797.

Religion 1041. Tradition and Ethics in a Comparative Perspective - (New Course)

Catalog Number: 39325

Jonathan Schofer (Divinity School)

Half course (fall term). Tu., Th., 10-11:30.

This course begins with prominent approaches to tradition and ethics in contemporary scholarship (MacIntyre and Stout). Then, we critically examine the concept of tradition through research in social theory and the study of religion. The later readings examine tradition and ethics in several religions and cultures, including Judaism, Islam, the Kodi of Indonesia, and contemporary Mayan communities.

Note: Offered jointly with the Divinity School as 3728.

Religion 1043. The Self Writing the Self: Autobiography and Religion - (New Course)

Catalog Number: 27714 Enrollment: Limited to 40.

Janet Gyatso (Divinity School)

Half course (fall term). Tu., Th., 11:30-1, and weekly section to be arranged. EXAM GROUP: 13, 14



This course explores selfhood, religion and the writing of autobiography. What do autobiographies tell us about the relationship of subjectivity to religious truth? To whom are autobiographers telling their self-stories, and why? What constitutes conversion, enlightenment, or self-consciousness? Autobiographies studied include those by Augustine, Teresa of Avila, a Tibetan hermitess, a Chinese-American novelist, a Venetian Rabbi, an American freed slave, and James Joyce. Students will also keep autobiographical journals.

Note: Offered jointly with the Divinity School as 3721.

[*Religion 1050. Democratizing Biblical Studies]

Catalog Number: 1722 Enrollment: Limited to 10.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). W., 1–3.

The seminar discusses the multicultural character of biblical texts and intercultural analysis as a new interpretive approach in biblical studies. African, Asian, indigenous, Latin American, aboriginal, American Indian, Latina/o-Hispanic studies, as well as, ethnicity, feminist, womanist, black, queer, liberation theological, postcolonial, and third world studies, have begun to de-center the hegemonic paradigm of biblical studies. This emerging radical democratic paradigm of biblical criticism is interdisciplinary, multi-vocal, ideology critical, and radical democratic.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1514.

Religion 1060. Hindu Goddesses and the Virgin Mary

Catalog Number: 3293

Francis X. Clooney (Divinity School)

Half course (fall term). Tu., Th., 10–11:30.

This course explores gender and divinity by reading hymns praising Hindu goddesses Laksmi, Maha Devi, Apirami, Kali while asking how feminine divinity is constructed in an environment where gods and goddesses flourish. The course simultaneously explores the cult of the Virgin Mary, theologically, historically, through key texts. This approach is sharpened by attention to performative, social, visual dimensions, and through contemporary feminist and theological insights. Not a survey, but an in-depth introduction.

Note: Offered jointly with the Divinity School as 3760.

[Religion 1063. South Asian Religious Aesthetics: Seminar]

Catalog Number: 8607 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (spring term). Hours to be arranged.

An examination of South Asian theories of aesthetics and their relevance for understanding Hindu, Buddhist, and Jain discourses of ethics, literature, and theology.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3925.

Prerequisite: Previous coursework in the religious history of South Asia.

Religion 1082. Writing Lives: Women Writing Religion - (New Course)

Catalog Number: 90515 Enrollment: Limited to 12.

Leila N. Ahmed (Divinity School)

Half course (fall term). M., 11–1. EXAM GROUP: 4, 5

An exploratory seminar on issues of writing, gender and religion. We will read a variety of texts



- narrative, fictional, autobiographical, and theoretical - and explore issues of gender, genres, the construction of knowledge and visibility/invisibility of women's experience.

Note: Offered jointly with the Divinity School as 3900.

Religion 1090. Voodooizations and Politics of Representations - (New Course)

Catalog Number: 17558

Aisha Mahina Beliso-De Jesus

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This course will examine the process by which representations of Black spiritualities in film and media have constructed a genre of "voodoo" as well as "voodooizations" of different religious and spiritual beliefs. Addressing differing politics of representation, we will engage in theories of reception and commodification, cultural studies, performance theory, postcolonial theories, critical feminist and queer media studies. Through the watching and interrogating of Black Horror "voodoo" films and other media in different historical contexts students will be introduced to ideas around the imaginings of the body and self, gendered and racialized Others, colonialism, imperialism and empire as well as the circular production and consumption of erotic, popular and religious media.

Note: Offered jointly with the Divinity School as 2735.

Cross-listed Courses

African and African American Studies 187. African Religions

Anthropology 1060. Archaeological Science

[Anthropology 1630. Other People's Beliefs: The Anthropology of Religion]

Culture and Belief 36. Religion and Its Future - (New Course)

[Indian Studies 118. Indian Philosophy: Advanced Introduction]

Primarily for Graduates

***Religion 2001. The History of the Study of Religion**

Catalog Number: 0644

Diana L. Eck and David Lamberth (Divinity School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An examination of the study of religion from early modernity to the present, with attention to key thinkers, methods, and theories.

Note: Limited to first-year doctoral students. Offered jointly with the Divinity School as 4599.

***Religion 2002. Contemporary Conversations in the Study of Religion: Seminar**

Catalog Number: 0803

Charles Hallisey (Divinity School)

Half course (spring term). Tu., 3–5.

An engagement with the theoretical and methodological issues that scholars of religion deem to be the most urgent and compelling in the discipline today, across the various research areas.

Note: Limited to second-year doctoral students in the Study of Religion.



[Religion 2030. Thinking About History in South Asia: Seminar]

Catalog Number: 0070 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (fall term). Tu., 1–3.

This seminar offers an intensive examination of Euro-American and South Asian approaches to time and history and considers their importance for the study of South Asian religions.

Note: Expected to be given in 2011–12. Limited to doctoral students and advanced masters-level students. Offered jointly with Divinity School as 3930.

[Religion 2045 (formerly Religion 2841). Orthodoxy: Religion, Truth, and Authority: Seminar]

Catalog Number: 5529 Enrollment: primarily for graduates

M. Shahab Ahmed

Half course (fall term). W., 2–5.

Orthodoxy is defined as “truth or sound belief according to an authoritative norm” (*Encyclopaedia of Religion*). Focuses comparative examination of the historical, social, institutional, and discursive constitution of orthodoxy in Buddhism, Christianity, Confucianism, Islam, and Judaism.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 3979. Open to advanced undergraduates. Not open to auditors.

***Religion 2055. Religion and Democratic Theory: Seminar**

Catalog Number: 6070 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School)

Half course (fall term). Tu., 1–3.

Examines the relationship between religious reflection and democratic theories of various types. Topics covered include: liberal political theory and theological critique, religious practice and radical democratic theory, cultural/religious diversity and religious truth-claims, religion and public life, and feminist theory and democratic practice. Among the authors considered will be Seyla Benhabib, Dipesh Chakrabarty, Ernesto Laclau, Chantal Mouffe, Reinhold Niebuhr, Martha Nussbaum, John Rawls, and Adoukharim Saroush.

Note: Offered jointly with the Divinity School as 2538.

Religion 2070. Topics in Modern Japanese Religions - (New Course)

Catalog Number: 85437

Helen Hardacre

Half course (fall term). W., 4–6.

This graduate seminar examines significant topics shaping Japanese religious life from the Meiji Restoration of 1868 to the present. Each year’s offering will focus on reading and discussion of relevant primary texts and secondary literature. *Topic for 2009: Religion, Law and State in 20th Century Japan.* An examination of capital punishment in the context of the history of changing understandings of the person (variously, embedded in family community, subject of the empire, possessing human rights) within changing social and legal frameworks (the Meiji Civil Code, the Meiji constitution, the postwar constitution).

Note: May be repeated for credit. Offered jointly with the Divinity School as 3961

Prerequisite: Modern Japanese



Cross-listed Courses

[Indian Studies 218. Special Topics in Indian Philosophy](#)

Graduate Courses of Reading and Research

***Religion 3005. Doctoral Colloquium in Religion, Gender, and Culture**

Catalog Number: 8016

Susan Abraham 6707

Half course (spring term). Th., 3–5.

The colloquium will explore key-topics and works in women's/gender/feminist studies in religion.

Note: This colloquium is required for all pre-Generals doctoral students as well as for those admitted as ThM students in Religion, Gender and Culture. Doctoral students from other departments or BTI schools as well as advanced Master's level students who intend to apply to the RGC program or plan to major in this field of study should contact the instructor in advance. Offered jointly with the Divinity School as 2690. Not offered Fall 2009.

Ancient Near Eastern and Israelite

Primarily for Undergraduates

Cross-listed Courses

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

For Undergraduates and Graduates

Cross-listed Courses

[Ancient Near East 102. Introduction to Mesopotamian Religion]

[Ancient Near East 117. Biblical Archaeology](#)

[Ancient Near East 120a. Introduction to the Hebrew Bible/Old Testament 1: Pentateuch and Former Prophets](#)

[Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism](#)

[Early Iranian Civilizations 103. Manicheism](#)

[Sumerian 146. Sumerian Religious Literature](#)

Primarily for Graduates

Cross-listed Courses

[*Comparative Literature 211. Mysticism and Literature: Seminar]

Judaic



Primarily for Undergraduates

Cross-listed Courses

Culture and Belief 27 (formerly Jewish Studies 55). Text and Context: Jews and their Books in Pagan, Christian and Muslim Surroundings

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel]

Literature and Arts A-48. Moral Imagination in Modern Jewish Literature

[Literature and Arts A-70. The Book of Job and the Joban Tradition]

[Literature and Arts A-93. The Hebrew Bible and Its Worlds]

Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity

For Undergraduates and Graduates

[Religion 1212a. Judaism: The Liturgical Year]

Catalog Number: 5679

Jon D. Levenson (Divinity School)

Half course (fall term). M., W., 10–11:30.

An introduction to the Jewish tradition through an examination of its liturgical calendar. The ancient Near Eastern affinities and biblical forms of the Jewish holidays; the observance of the holidays in rabbinic law, their characteristic themes as developed in rabbinic non-legal literature, their special biblical readings, the evolution of the holidays over the centuries, contemporary theological reflection upon them. Emphasis on classic texts, focus on theological and literary issues.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 1667a/3667a.

[Religion 1212b. Judaism: The Liturgical Year]

Catalog Number: 8074

Jon D. Levenson (Divinity School)

Half course (spring term). M., W., 10–11:30.

A continuation of Religion 1212a.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 1667b/3667b.

Prerequisite: Religion 1212a.

[Religion 1240. Time and Space in Rabbinic Judaism]

Catalog Number: 1200

Jonathan Schofer (Divinity School)

Half course (spring term). Hours to be arranged.

This course will examine the ways that spatiality and temporality were understood and made meaningful by the rabbis of Late Antiquity, whose thought and practice have shaped the religious life of Jews to the present day. Topics will include accounts of creation and the cosmos; memory and forgetting; the Temple, synagogues, and everyday spaces; and weekly, monthly,



and annual ritual cycles. Readings will be in English translation.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3641.

Cross-listed Courses

[Hebrew 140. The Poetics of Midrash: Approaches to Rabbinic Hermeneutics - \(New Course\)](#)

[Hebrew 148 (formerly Hebrew 240). Rabbinic Stories and Rabbinic Thought: Seminar]

[Hebrew 150a. Introduction to Rabbinic Literature]

[Jewish Studies 111. Modern Jewish Thought](#)

Greek, Hellenistic, Roman

Primarily for Undergraduates

Cross-listed Courses

[Culture and Belief 22. The Heroic and the Anti-Heroic in Classical Greek Civilization](#)

Primarily for Graduates

[Religion 2348ab. Archaeology and the World of the New Testament: Seminar]

Catalog Number: 4069 Enrollment: Limited to 12.

Laura S. Nasrallah (Divinity School) (Divinity School)

Full course (spring term). Tu., 2-5 and field trips to be arranged.

The first half of the course introduces students to archaeological data from the Graeco-Roman world (inscriptions, architecture, sculpture, coins). The second half consists of seminars in Greece and Turkey during May and on-site meetings with archaeologists.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1870.

Prerequisite: Greek and French or German; two half courses in the study of ancient Christianity and/or Greco-Roman religion, history, and archaeology. Undergraduates and graduate students welcome. Permission of the instructor required. Course may be divided with permission of instructor.

Christianity

For additional courses on Christian Studies, see the catalog of the Divinity School.

Primarily for Undergraduates

Cross-listed Courses

[Culture and Belief 31 \(formerly Philosophy 19\). Saints, Heretics, and Atheists: An Historical Introduction to the Philosophy of Religion](#)
[Historical Study B-18. The Protestant Reformation](#)



[Literature and Arts A-70. The Book of Job and the Joban Tradition]

[Literature and Arts A-93. The Hebrew Bible and Its Worlds]

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'](#)

For Undergraduates and Graduates

Religion 1400. Introduction to the New Testament: History and Interpretation

Catalog Number: 4486

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). T., 1-3 and a weekly section to be arranged. EXAM GROUP: 15, 16

This course examines historical-critical approaches that set New Testament texts within their first and second-century contexts, pays special attention to archaeological materials which aid our understanding of the diverse world of the Roman Empire from which these texts emerged, and considers how and why these particular texts came to be a canon. Students will also consider the vibrant and controversial contemporary contexts in which they and others interpret the New Testament.

Note: Offered jointly with the Divinity School as 1202.

[Religion 1401. Early Christian Thought 1: The Greek Tradition]

Catalog Number: 4950

Charles Stang (Divinity School)

Half course (fall term). Tu., Th., 11:30-1, and weekly section to be arranged.

This introductory course will focus on the major Greek authors of the late antique Christian East (third through eighth centuries). Authors will include Origen, Athanasius, Basil of Caesarea, Gregory of Nazianzus, Gregory of Nyssa, Evagrius of Pontus, Cyril of Alexandria, Pseudo-Dionysius the Areopagite, Maximus the Confessor, and John of Damascus.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1749.

[Religion 1402. Early Christian Thought 2: The Latin Tradition]

Catalog Number: 2577

Charles Stang (Divinity School)

Half course (spring term). Tu., Th., 11:30-1 and weekly section to be arranged.

This introductory course will focus on the major Latin authors of the late antique Christian West (second through ninth centuries). Authors will include Tertullian, Ambrose, Jerome, Augustine, Cassian, Gregory the Great, Boethius, and John Scottus Eriugena.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1750.

[Religion 1403. The Mystical Theology of Dionysius the Areopagite]

Catalog Number: 4823

Charles Stang (Divinity School)

Half course (spring term). W., 3–5.

A close reading of the complete works of "Pseudo"-Dionysius the Areopagite, the late fifth or early sixth century theologian who wrote under the name of Paul's famous convert (Acts 17:34), and who is widely regarded as the foremost spokesman of the "apophatic" or "negative" mystical tradition. This course will devote most of its attention to the corpus itself, its sources and setting,



but will also consider its influence on Eastern and Western Christianities.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 1748.

[Religion 1404. Early Christianity in the Roman Empire]

Catalog Number: 9800

Laura S. Nasrallah (Divinity School) (Divinity School)

Half course (fall term). W., 10-12, and a weekly section and field trips to be arranged.

We shall read New Testament and early Christian literature to explore topics such as Paul and empire, early Christian apologetics, and martyrdom. These will in turn be explored in relation to the literature and especially the art and archaeology of the Roman Empire. Special focus will be given to materials of the first and second centuries CE. Key themes will include gender, colonialism, violence, spectacle, the body, justice, and ancient definitions of religion and piety.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1518.

Religion 1408. Martyrdom: Bodies, Death and Life in Ancient Christianity

Catalog Number: 9871

Karen L. King (Divinity School)

Half course (spring term). Th., 1-3 and hour to be arranged.

This course will consider newly discovered works, as well as engage critical re-readings of well-known sources, around such topics as the politics of martyrdom, performance and ritual, gender, and intra-Christian controversies.

Note: Offered jointly with the Divinity School as 1501.

Religion 1411. Seminar: Saints, Sanctity, and Society in Ancient and Medieval Christianity

Catalog Number: 6249 Enrollment: Limited to 15.

Kevin J. Madigan (Divinity School)

Half course (fall term). M., W., at 9. EXAM GROUP: 2

An historical introduction to the field of Christian hagiography. Topics include interpretive method, martyrdom and sanctity, sanctity and monasticism, shrines and pilgrimage, gender and sanctity, relics and veneration, canonization and the politics of sanctity. Some attention given to Jewish martyrology and parallels in other world religions, including Hinduism and Buddhism.

Note: Offered jointly with the Divinity School as 2233.

[Religion 1413. Paul's Letters and Their Interpreters: Ethnicity, Empire, the Body, and the End of the World]

Catalog Number: 8015

Laura S. Nasrallah (Divinity School) (Divinity School)

Half course (fall term). M., W., at 10 and field trips to be arranged.

This introductory course focuses on 1) the Pauline epistles in their first-century context, and their earliest interpretations; 2) recent trends in Pauline studies, including feminist and postcolonial interpretation, the "New Perspective," and European philosophical treatments (Badiou, Zizek).

Attention will be given to ideas of the gendered/enslaved body and its potential for transformation and pollution, ethnicity in the Roman world, the relations of communities to Roman imperial power, and views of time and the impending eschaton.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1544.



Religion 1414. Gospel Stories of Wo/men

Catalog Number: 6902

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Tu., 1-3, and hour to be arranged.

The course will introduce a critical feminist rhetorical reading of "gospel" stories about wo/men in order to assess whether they are "good news" for wo/men. Special attention will be given to the significance of social locations, critical methods, and historical imagination for the interpretation and significance of these stories about Jewish wo/men for contemporary religious self-understandings and ministerial praxis. Lectures, group discussions, and group projects seek to foster a participatory, democratic style of learning.

Note: Offered jointly with the Divinity School as 1503/2557.

[Religion 1416. Feminist Biblical Interpretation]

Catalog Number: 3002

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (spring term). Tu., 1-3, and a weekly section Tu at 12.

A basic introduction to the emerging field of feminist biblical studies. We discuss different hermeneutical approaches, methods of interpretation, and theoretical perspectives. Special attention is given to historical interpretation and the significance of feminist hermeneutics for contemporary theological reflection and education for ministry. Lectures, group discussions, and presentations seek to foster a participatory style of learning.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1504/2558.

[Religion 1418. The Apostle Paul: His Letters, His Cities, and His Legacy]

Catalog Number: 7092

Helmut H. Koester (Divinity School)

Half course (spring term). Th., 3-5 with an additional hour to be arranged.

Addresses the entire Pauline Corpus. Beginning with the genuine letters of Paul in the New Testament it will demonstrate the developments attested in canonical and apocryphal writings that assumed the mantle of Paul's authority after his death. Archaeological materials will elucidate the cultural and religious world of Paul's cities.

Note: Expected to be given in 2010–11. Offered jointly by the Divinity School as 1525.

[Religion 1421. The Gospel of Luke]

Catalog Number: 8662

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

A literary, historical, and theological interpretation of some chapters of the Greek text of Luke's Gospel. Exegetical discussion will focus on Luke's style, art of composition, and sources, as well as his situation in the history of Christianity. Late Antique Christianity and Reformation interpretations of Luke will be compared from time to time with the work of modern exegetes.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1511. This course may be elected as the equivalent of the fourth semester of Greek.

Prerequisite: Three terms of Greek.



Religion 1422. The Epistle to the Romans

Catalog Number: 0072 Enrollment: Limited to 15.

François Bovon (Divinity School)

Half course (fall term). F., 1–3.

This course will focus on Paul's historical and theological argument through a careful reading of the Greek text. An attempt will be made to discover the early reception of the epistle in ancient Christianity.

Note: Offered jointly with the Divinity School as 1519. Field trip to Houghton Library to be arranged.

Prerequisite: Three semesters of Greek.

Religion 1423. First Images of Christ—Earliest Christologies of the New Testament

Catalog Number: 8983

François Bovon (Divinity School)

Half course (fall term). Th., 1–3, and weekly section to be arranged. EXAM GROUP: 15, 16

Will discuss the earliest forms of christology and their history. Starting from the Jewish messianic expectations of the first century CE., it will investigate the prophetic perspective of Jesus and christological concepts of the first Christian congregations.

Note: Offered jointly with the Divinity School as 1479. Field trip to the Museum of Fine Arts in Boston to be arranged.

Prerequisite: Introduction to the New Testament or equivalent.

[Religion 1424. The First Epistle to the Corinthians]

Catalog Number: 1514

François Bovon (Divinity School)

Half course (spring term). Hours to be arranged.

This course will focus on Paul's historical and theological argument through a careful reading of the Greek text. An attempt will be made to reconstruct the social setting of the first Christian community in Corinth. Course may be elected as the equivalent of the fourth term of Greek.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 1521.

Prerequisite: Three semesters of Greek.

[Religion 1426. The Apocryphal Jesus and the Noncanonical Apostles: Introduction to Ancient Christian Apocryphal Literature]

Catalog Number: 8930

François Bovon (Divinity School)

Half course (fall term). Hours to be arranged.

Begins by exploring the field of non-canonical gospels, particularly Greek fragments of lost Gospels, then devotes a longer time to the apocryphal acts of the apostles, particularly to the *Acts of Philip*, and concludes by reading the *Apocalypse of Peter* and the *Apocalypse of Paul*.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 1270/2130.

Religion 1429. Augustine and His Heretics - (New Course)

Catalog Number: 59969 Enrollment: Limited to 15.

Charles Stang (Divinity School)

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18



This course will survey Augustine of Hippo's theological career through the lens of his encounters with three heretical communities of Roman North Africa: Manichaeism, Donatism, and Pelagianism. Particular attention will be paid to following themes: evil, freedom, the will, and selfhood.

Note: Offered jointly with the Divinity School as 1752.

Religion 1433. Christianity Along the Silk Road - (New Course)

Catalog Number: 65379

Charles Stang (Divinity School)

Half course (spring term). Tu., 1-3, weekly section to be arranged. EXAM GROUP: 15, 16

This course will introduce students to the ancient and medieval expansion of Christianity eastward from Syria to China by tracing the history of the so-called "Nestorian" Church, or "Church of the East." Particular attention will be paid to the emergence of this church community in the wake of the Christological controversies of the 5th century and its intellectual heritage in Antioch. Subsequent units will focus on particular areas where the Church of the East established itself, including Syria, Persia, India, Central Asia along the Silk Road, and finally Tibet, China, and Mongolia. Considerable attention will be paid to the interactions between Christianity and other religions in these areas, including Judaism, Islam, Manichaeism, Buddhism, and Taoism.

Note: Offered jointly with the Divinity School as 1753.

Religion 1434. History of Western Christianity, 150-1100

Catalog Number: 5783

Kevin J. Madigan (Divinity School)

Half course (fall term). M., W., 10-11:30. EXAM GROUP: 99

Church and society in western Europe from the fourth through the twelfth century. Early and high medieval Christianity in social and cultural context, with attention to popular religious belief and behavior as well as to the institutional church and its leaders.

Note: Offered jointly with the Divinity School as 2230.

Religion 1435. The History and Practice of Lived Religion - (New Course)

Catalog Number: 79773

R. Marie Griffith (Divinity School)

Half course (fall term). M., 11-1. EXAM GROUP: 4, 5

Bringing together historical and ethnographic perspectives in a series of case studies, this course focuses on the lived practices that make up religion in the U.S., both within and beyond institutions. Attention to prayer and healing, cooking and eating, fasting and bodily discipline, gender performance, caring for others, and engaging nature. Reading of primary as well as secondary sources, supplemented by discussions and occasional lectures.

Religion 1437. History of Western Christianity: 1100-1500

Catalog Number: 5997

Kevin J. Madigan (Divinity School)

Half course (spring term). M., W., 10-11:30. EXAM GROUP: 99

Church and society in western Europe during the high and late Middle Ages. Particular attention will be paid to theological and institutional change and continuity and to popular religious



movements.

Note: Offered jointly with the Divinity School as 2250.

***Religion 1440. On Grief: Theology, Philosophy, and Demography in Earliest Christianity - (New Course)**

Catalog Number: 52469 Enrollment: Limited to 12.

Laura S. Nasrallah (Divinity School)

Half course (spring term). W., 1–3.

This course examines the topic of grief, focusing on the first century BCE through second century CE. We shall work with a variety of materials: New Testament texts (especially the letters of Paul), funerary monuments and inscriptions, Roman-period consolation letters and literature, philosophical writings, tragedies, satiric writing on funerals, and scholarly hypotheses regarding lifespan (especially that of mothers and the issue of infant mortality). Special attention will be paid to political and economic issues (including slavery), as well as to instructions to women on how to mourn.

Note: Offered jointly with the Divinity School as 1893.

Religion 1446. Recent Trends in Medieval Ecclesiastical Historiography - (New Course)

Catalog Number: 90974 Enrollment: Limited to 15.

Kevin J. Madigan (Divinity School)

Half course (spring term). M., W., at 9.

A analysis of recent work in medieval Christianity, focusing on martyrdom.

Note: Offered jointly with the Divinity School as 2201.

[Religion 1450. History of Christian Thought: The Medieval West]

Catalog Number: 8878

Amy Hollywood (Divinity School)

Half course (fall term). M., 10-12 and weekly section to be arranged.

The course will survey the main features of Christian theology from the 11th through the 15th centuries. We will focus on the particular genres, modes of argumentation, questions, and goals attendant on theology as it emerges in multiple contexts within the medieval West.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2629.

***Religion 1453. Theology and the Everyday - (New Course)**

Catalog Number: 92888 Enrollment: Limited to 25.

Ronald Thiemann (Divinity School)

Half course (spring term). W., 1–3.

An inquiry into the construction of the everyday as a site for constructive theological thinking. Readings in Luther, Hegel, Wittgenstein, Lefebvre, Cavell, and Wolf, as well as viewing of relevant films.

Note: Offered jointly with the Divinity School as 2530. Expected to be offered again 2011-12.

Religion 1454. History of Ancient Christianity - (New Course)

Catalog Number: 58387

Helmut H. Koester (Divinity School)

Half course (fall term). Th., 3–5.



Christian history from the beginnings to the end of the fourth century in its political and cultural context. The course will discuss Jesus and Paul and the diversity of beginnings, the process of institutionalization, establishment of offices and of the canon of the Holy Scriptures, orthodoxy and heresy, Montanism and Gnosticism, philosophy and the theology of the Church Fathers, development of doctrine, persecutions and martyrdoms, and the controversies and ecumenical councils of the fourth century.

Note: Offered jointly with the Divinity School as 1545.

[Religion 1456. Bodily Practice, Practical Reason] - (New Course)

Catalog Number: 56473 Enrollment: Limited to 15.

Amy Hollywood (Divinity School)

Half course (fall term). Hours to be arranged.

The seminar will explore Talal Asad's contention that bodily practices give rise to practical reason. Particular attention will be given to the importance of these conceptions of bodily practice and practical reason for the understanding of religion. In addition to Asad, we will read texts by Friedrich Nietzsche, Marcel Mauss, Pierre Bourdieu, Michel Foucault, Judith Butler, and Saba Mahmood, as well as material from the medieval Christian monastic and mystical traditions.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 2627.

Religion 1458. Mourning, Melancholia, and Mysticism - (New Course)

Catalog Number: 20058 Enrollment: Limited to 15.

Amy Hollywood (Divinity School)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

The course will look at key theoretical texts that articulate the role of mourning and melancholia in subject formation and the complex relationship between mourning, melancholic identification, gender, sexuality, and race. We will then explore the Christian mystical tradition as a potential resource for feminist philosophy of mourning. Readings will include texts by Mechthild of Magdeburg, Margaret Ebner, Sigmund Freud, Nicolas Abraham and Maria Torok, Luce Irigaray, Julia Kristeva, Catherine Clément, Anne Anlin Cheng, and Theresa Hak Kyung Cha.

Note: Offered jointly with the Divinity School 2628.

[*Religion 1463. Evangelical Conversion and Disenchantment Narratives] - (New Course)

Catalog Number: 36161 Enrollment: Limited to 15.

David Neil Hempton (Divinity School)

Half course (fall term). Hours to be arranged.

This seminar will concentrate on processes and discourses of religious conversion and disenchantment within the Evangelical tradition from the early eighteenth to the later twentieth centuries. Questions addressed will include what was the appeal of Evangelical religion and spirituality to different social groups, how were religious conversions understood and expressed, and what factors promoted subsequent disenchantment? We will examine conversion narratives, various expressions of disenchantment (in art and literature), and some examples of reconversion. By exploring these categories, the course hopes to shed light on wider themes such as the emergence of a concept of self in the early modern period, and possible causes of secularization in later periods.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2357.



[Religion 1464. The Rise of the Holiness Traditions: Pietism, Methodism, and Pentecostalism] - (New Course)

Catalog Number: 14853

David Neil Hempton (Divinity School)

Half course (fall term). Hours to be arranged.

This course examines one of the most dynamic traditions of Protestant Christianity since the Reformation. The course will investigate the rise of Pietism and Methodism in Europe and the North Atlantic world in the early modern period, and the growth of Pentecostalism in the United States and beyond in the twentieth century. Particular attention will be paid to the social, economic, and political environments that facilitated growth as well as to the most important personalities and theological characteristics of these fast-growing movements.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2359.

Religion 1472. The Ethical and Religious Thought of Martin Luther King, Jr.

Catalog Number: 8761

Preston N. Williams (Divinity School)

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

A study of the life, thought, and actions of Martin Luther King, Jr. An ethical analysis of his primary concepts, ideas, and strategies based upon a reading and discussion of his writings and their sources.

Note: Offered jointly with the Divinity School as 2721.

Religion 1473. Christian Sexual Ethics - (New Course)

Catalog Number: 49022 Enrollment: Limited to 15.

Mark Durham Jordan

Half course (spring term). W., 1-3, and weekly section to be arranged.

What accounts for the prominence of sexual issues in contemporary Christian debates? Is this something new in church history? Is it peculiar to Christian thinking or does it arise from other cultural forces? Is it helpful for Christian ethics to talk so much about sex? This course will take up these questions first in some historical constructions of sexual topics, then in the rapid changes of the last hundred years.

Note: Offered jointly with the Divinity School as 2710.

Religion 1474. Christian Ethics, Persuasion, and Power II - (New Course)

Catalog Number: 64129

Mark Durham Jordan

Half course (fall term). W., 1-3, and weekly section to be arranged. EXAM GROUP: 6, 7

Whatever else it might be, European "modernity" is a transformation in Christian projects for ethics. Controversies over Reformation can conceal how far both Protestant and Roman Catholic writers begin to make modern assumptions about moral learning or to exercise modern forms of control over moral subjects. The course will try to trace some of the transformation and the increasingly radical reactions to it through a series of primary texts from Luther to Nietzsche.

Note: Offered subsequent odd-year springs. Offered jointly with the Divinity School as 2394.

Religion 1475. Christian Ethics and Ritual - (New Course)

Catalog Number: 12607 Enrollment: Limited to 15.



Mark Durham Jordan

Half course (spring term). Th., 3–5.

Some Christian ethicists have recently turned back to liturgy and sacraments in their explanations of moral education. This is indeed a return: the oldest Christian accounts emphasize the connection between ritual and character. At the same time, some Christian liturgists have tried to sharpen liturgy's ethical consequences--both by disrupting ritual complacencies and by blurring boundaries between ritual and world. This seminar brings together these preoccupations by juxtaposing older theological accounts of sacraments with recent studies of ritual efficacy.

Note: Offered jointly with the Divinity School as 2395.

Religion 1484. Classics of Twentieth Century Roman Catholicism - (New Course)

Catalog Number: 50272 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This seminar will analyze the major classics of Twentieth Century Roman Catholic Theology. The seminar will seek to introduce major religious thinkers primarily through an analysis of the arguments of a major work that has become a classic. It will discuss the unique contribution of the work, the reasons for its significance and the extent of its impact. Among those considered will be Maurice Blondel, Alfred Loisy, Jacques Maritain, Henri de Lubac, Yves Congar, Bernard Lonergan, John Courtney Murray, Karl Rahner, and Gustavo Gutierrez. Others to be considered.

Note: Offered jointly with the Divinity School as 2477.

Religion 1485. Queer Theology - (New Course)

Catalog Number: 69539

Mark Durham Jordan

Half course (fall term). Th., 1-3 and hour to be arranged.

According to one narrative, the encounter or collision of feminist, liberationist, and erotic theologies mainly within Christianity has produced something called queer theology. Wherever it comes from, whatever its exact genealogy, queer theology has attracted or claimed writers working on the whole range of theological topics, from scriptural exegesis or doctrines of God to ethics and liturgy. This course will attempt both to sample what has been written and to speculate about what might be written next.

Note: Offered jointly with the Divinity School as 2709.

Religion 1486. Feminism and Global Christianity - (New Course)

Catalog Number: 23378 Enrollment: Limited to 18.

Susan Abraham

Half course (spring term). W., 1–3.

This course is a reading/writing intensive seminar on feminist perspectives in Global Christianity. A multidisciplinary approach (feminist biblical interpretation, feminist philosophy of religion, feminist history of the Christian tradition, and feminist constructive theology) engages three critical analytical categories: women, gender and sexuality. Authors to be examined include Elisabeth Schüssler Fiorenza, Grace Jantzen, Amy Hollywood, M. Shawn Copeland, Kwok Pui Lan and Marcella Althaus Reid among others.



[Religion 1493. Contemporary Roman Catholic Theology]

Catalog Number: 6926

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1-3, and a weekly section to be arranged.

A survey of contemporary Roman Catholic theology that discusses issues in the interpretations of God, Jesus, and the church with reference to theological method. The broad spectrum of present-day Roman Catholic theology will be covered through an analysis of diverse theologians and approaches: existential, transcendental, liberationist, feminist, analytical, and hermeneutical.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2479.

[Religion 1495. Introduction to Theological Thinking]

Catalog Number: 5154

David Lamberth (Divinity School)

Half course (spring term). Tu., Th., 11:30–1.

A basic survey of a variety of approaches to theology through selected major figures. We will consider: What is the nature of theology? How are theological questions posed and answered? What is distinctive about each author's view? We will also be concerned with what theological thinking is today, and its relation to other fields of inquiry. Authors are drawn from the early medieval and contemporary periods, and are mostly Christian.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 2402.

Cross-listed Courses

[Celtic 107. Early Irish History](#)

[Celtic 151. The Literature of Medieval Celtic Christianity](#)

[History 1214 \(formerly History 1414\). Encountering of the Other: The Expansion of the Christian West, 1650-1830](#)

[Medieval Greek 115ar. Introduction to Byzantine Greek](#)

[Studies of Women, Gender, and Sexuality 1142. Sex and the Bible - \(New Course\)](#)

Primarily for Graduates

[Religion 2464. Radical Religion in England and America, 1550-1750: Seminar](#)

Catalog Number: 5810 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (spring term). Th., 3–5.

The history of the Puritan movement in the context of the Reformation and the Reformed tradition; mainstream and radical movements, including Quakerism. A reading and research seminar using primary materials and the major historiography.

Note: Offered jointly with the Divinity School as 2270.

[*Religion 2480. Karl Barth: Seminar](#)

Catalog Number: 8592 Enrollment: Limited to 12.

Ronald Thiemann (Divinity School)

Half course (spring term). Tu., 1–3.

An intensive reading and research course on the work of Karl Barth. Attention will be given to



the theological and political development throughout his work, including his involvement in the German Church Struggle. Close reading of the Church Dogmatics during the second half of the seminar.

Note: Offered jointly with the Divinity School as 2535.

Prerequisite: At least one course in modern theology.

[*Religion 2485. Faith: Seminar] - (New Course)

Catalog Number: 65584 Enrollment: Limited to 12.

Ronald Thiemann (Divinity School)

Half course (fall term). Hours to be arranged.

An inquiry into faith as a general human orientation and a particular Christian commitment.

Topics covered will include: faith as ultimate concern, faith and reason, faith and suffering, and faith and history. Readings in Luther, Pascal, Kierkegaard, Lewis, Wolterstorff, Dostoevsky, Tillich, Niebuhr, Robinson, and Morrison.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2549.

Cross-listed Courses

[*History 2340 \(formerly *History 2662 & *History 2662hf\). Readings in American Thought](#)

[*History of Art and Architecture 241n. Image-Text-Context](#)

[*Medieval Studies 202 (formerly *Medieval Studies 102). Latin Palaeography and Manuscript Culture: Seminar]

[Medieval Studies 223. Preaching and Sermon in the Middle Ages]

[Medieval Studies 225. Heresy, Orthodoxy, and Religious Identity in Medieval Christianity]

[Medieval Studies 227 (formerly Medieval Studies 127). Hildegard of Bingen and the Gospels: Seminar]

Graduate Courses of Reading and Research

***Religion 3420hf. Seminar for Advanced New Testament Students**

Catalog Number: 6026 Enrollment: Limited to 15.

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (throughout the year). Alternate W., 3-5.

This seminar will deal critically with the Book of the New Testament called the Acts of the Apostles. It will examine the textual tradition, the Greek language, the composition, the literary genre, the religious message, the place of the Book among the early Christian literature, its relationship to the so-called apocryphal Acts of the Apostles, and the early reception of the book.

Note: A course available to ThM, ThD, and PhD candidates, and qualified MTS and MDiv students with permission of the instructor. Required for ThM candidates in the field and for ThD and PhD candidates until the term following successful completion of general exams. Offered jointly with the Divinity School as 1980.

***Religion 3425hf. New Testament Seminar for Doctoral Dissertations**

Catalog Number: 8507

Elisabeth Schüssler Fiorenza (Divinity School) 3193



Half course (throughout the year). W., 3-5 biweekly.
Biweekly presentation of research projects.
Note: Offered jointly with the Divinity School as 1995.

Modern Western

Primarily for Undergraduates

Cross-listed Courses

[Culture and Belief 20 (formerly Historical Study A-27). Reason and Faith in the West]

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel]

[*History 84i \(formerly *History 1969\). Secularization in Europe and the United States, c. 1780-2000](#)

[Moral Reasoning 22. Justice]

[Moral Reasoning 54. "If There is No God, All is Permitted": Theism and Moral Reasoning](#)

For Undergraduates and Graduates

[Religion 1513. History of Harvard and Its Presidents](#)

Catalog Number: 1233

Peter J. Gomes (Divinity School)

Half course (spring term). W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

An exploration of the intellectual and institutional history of America's oldest college through the examination of four pairs of its 27 presidents. Among themes to be considered are European antecedents, developments in faculty, governance, and curriculum, as well as the maturation of the built environment. Significant attention is paid to the evolution of the religious context of the school, including the practice of and instruction in religion, and the challenges of secularism and pluralism.

Note: Offered jointly with the Divinity School as 2297.

[Religion 1514. Reading Derrida I: Writing, the Law, and the Gift - \(New Course\)](#)

Catalog Number: 11152

Amy Hollywood (Divinity School)

Half course (fall term). Hours to be arranged, and weekly section to be arranged. EXAM GROUP: 8, 9

The course will focus on selected essays by philosopher Jacques Derrida, read against the background of the philosophical, theological, and literary texts with which he is engaged. Readings will include work by Immanuel Kant, Soren Kierkegaard, Walter Benjamin, J. L. Austin, as well as by Derrida.

Note: Offered jointly with the Divinity School as 2614. Expected to be offered again 2011-2012.

[Religion 1516. Reading Derrida II: On Haunting and Messianicity - \(New Course\)](#)

Catalog Number: 26259

Amy Hollywood (Divinity School)



Half course (spring term). W., 3-5 and a weekly section to be arranged.

The course will focus on selected works by philosopher Jacques Derrida, read against the background of the philosophical, theological, and literary texts with which he is engaged. Readings will likely include Sophocles' *Antigone*, *Hamlet*, and works by Karl Marx, Maria Torok and Nicolas Abraham, Paul Celan, and Derrida.

Note: Offered jointly with the Divinity School as 2615. Expected to be offered again 2011-12.

[Religion 1517. American Liberal Religious Thought: Formations of a Tradition]

Catalog Number: 7116

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

Surveys important authors in the formative development of liberal religious thought in America into the early 20th century, such as Channing, Emerson, Thoreau, James, Royce, Matthews, DuBois, Wieman, Dewey.

Note: Expected to be given in 2011–12. Some prior work in theology or philosophy is suggested. Offered jointly with the Divinity School as 2551.

Religion 1520. Introduction to Hermeneutics and Theology

Catalog Number: 6184

Francis Fiorenza (Divinity School)

Half course (fall term). M., W., at 11, and a weekly hour to be arranged. EXAM GROUP: 4

General introduction to hermeneutical theory. A survey of the development from classical to modern and contemporary hermeneutics. Examines the influence of contemporary hermeneutical theory upon the interpretation of biblical texts, the diverse conceptions of theology, and the explication of key theological categories such as revelation, experience, method, foundations, classics, community, and practice.

Note: Offered jointly with the Divinity School as 2410.

[Religion 1528. The German Church Struggle and the Holocaust]

Catalog Number: 6091

Ronald Thiemann (Divinity School)

Half course (fall term). Hours to be arranged.

An analysis of the role of the churches in Germany during the period 1918-1945. Consideration will be given to the following topics: religious intellectuals and the Weimar culture, Christian anti-Judaism, the rise of Nazism and the role of the church, the confessing church movement, and Christian resistance to and complicity with the Holocaust.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2536.

Religion 1533. Attention and Engagement in Contemporary American Poetry - (New Course)

Catalog Number: 68875 Enrollment: Limited to 15.

Amy Hollywood (Divinity School)

Half course (spring term). Tu., 1–3.

The late Reginald Shepherd writes that the poem is "a form of thinking, a thinking out and a thinking through." For many contemporary poets, this thinking requires new and/or hybrid forms, forms often reminiscent of ancient and medieval religious texts. Readings for the course



will likely include work by Rae Armantrout, Anne Carson, Jorie Graham, Fanny Howe, Susan Howe, Dawn Lundy Martin, Jennifer Moxley, Alice Notley, Juliana Spahr, John Taggart, and C. D. Wright.

Note: Offered jointly with the Divinity School as 2611.

[Religion 1534. Feminist Theologies: Contexts and Methods]

Catalog Number: 3081

Elisabeth Schüssler Fiorenza (Divinity School)

Half course (fall term). Tu., 1-3, and a weekly section Tu at 12.

In the past decades many different feminist religious voices have emerged around the globe. The course will study key feminist thea/ological directions and explore how their theoretical frameworks and methods are shaped by their different socio-cultural-religious locations and struggles. Lectures, group sessions, and projects.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 2688.

Religion 1537. Political Theology, Justice, and Rights

Catalog Number: 5652

Francis Fiorenza (Divinity School)

Half course (fall term). hours to be arranged. EXAM GROUP: 15, 16

This course will explore contemporary issues within political theology, its relation to diverse theories of justice, and the significance of human rights. It deals with the relation between political theology and the foundations of social ethics, justice, rights, and theology, as well as the relation between ethical and religious reflection and the social construction of reality. Special emphasis to the work of Rawls, Scanlon, Nussbaum, and Jürgen Habermas's theory of communicative action, modernity, and discourse ethics.

Note: Offered jointly with the Divinity School as 2632.

Religion 1543. 19th-Century Religious Thought: Theology and the Critique of Religion

Catalog Number: 5065

David Lamberth (Divinity School)

Half course (fall term). Tu., Th., 11:30-1. EXAM GROUP: 99

The 19th-century formulated many of the questions and frameworks that continue to dominate theology and religious reflection in the West. We consider the developing interplay between modern Christian theology (primarily continental) and the principal philosophical and social critiques of religion in the 19th-century. Topics include human nature, religion, the divine-human relationship, religious knowledge, the social, and historicity. Readings from Kant, Schleiermacher, Hegel, Marx, Feuerbach, Kierkegaard, Nietzsche, Harnack, and Troeltsch.

Note: Offered jointly with the Divinity School as 2431.

Religion 1544. Unitarian and Universalist Thought in the Nineteenth Century - (New Course)

Catalog Number: 38993

Daniel P. McKanan

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will explore the intellectual shapers of the Unitarian and Universalist traditions in the nineteenth century, with special attention to the founders and formative theologians of each



tradition, the challenges of Transcendentalism and Spiritualism, and the interactions of Unitarianism and Universalism with broader currents of religious liberalism in the United States.
Note: Offered jointly with the Divinity School as 2770.

[Religion 1545. Approaching Evil]

Catalog Number: 7456

Courtney Bickel Lamberth

Half course (spring term). Th., 4–6.

An examination of evil in western thought, with focus on conceptions of human freedom and divine will, the distinction between natural and moral evil, and responses to the challenge of theodicy. The final project asks students to apply tools of analysis developed in the course to a situation or topic of their choosing. Readings include philosophical, theological and literary texts.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2623.

[Religion 1546. Religion and the American Pragmatic Tradition]

Catalog Number: 3565

David Lamberth (Divinity School)

Half course (spring term). Tu., Th., 11:30–1.

Surveys the American pragmatic tradition, attending to views of the nature and place of religion. The first part takes up the classical pragmatists, beginning with Emerson as precursor, then focusing on Peirce, James, and Dewey. Topics include belief, experience, truth, action, ethics, rationality, and the nature and role, socially and individually, of religion. The latter part considers contemporary neo-pragmatists, including Rorty, Putnam, Chopp, and Stout. Prior work in theology or philosophy is recommended.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2671.

[Religion 1548. Psychoanalysis and Character Ethics]

Catalog Number: 0741

Jonathan Schofer (Divinity School)

Half course (fall term). Hours to be arranged.

How does the human psyche operate? In what ways can people transform their emotions and desires to become, in some sense, better? These two questions are shared by both the psychoanalytic tradition and scholars of virtue ethics, though they have arguably conflicting responses concerning the nature of psychological dynamics and the possibilities for change. This course will address readings from Aristotle, Freud, and recent thinkers who engage the relationship between these two approaches.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3639.

Religion 1549. Media, Religion, and Social Meaning

Catalog Number: 3414

Marla F. Frederick

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course looks at the development of television ministries and their influence on contemporary American Christendom. In almost all instances, the incorporation of media has dramatically increased religion's participation in American politics and the global market. In



some cases, televised church has blurred religious denominationalism and disrupted simple social binaries of black/white, rich/poor, male/female. Through an interdisciplinary approach using history, anthropology, sociology, religion and media studies we will try to better interpret this growing phenomenon and its contemporary social import.

Note: Offered jointly with the Divinity School as 2517.

Religion 1550. Religion and American Public Life

Catalog Number: 1431

Ronald Thiemann (Divinity School)

Half course (fall term). W., 1-3 and hour to be arranged.

An overview of the issues that arise within American democracy concerning the public role of religion. This course will cover issues in public theology, religion and democratic political theory, and constitutional law, including church/state relations. It will conclude with a case study in public policy, considering such issues as religion and gay/lesbian marriage, religion and welfare, and/or religion and welfare policy.

Note: Offered jointly with the Divinity School as 2524.

Religion 1561. Religion and Society in America Today: Change and Continuity - (New Course)

Catalog Number: 62674

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Tu., 3-5 and an hour to be arranged.

We will study relations between the Protestant "mainline" and evangelicals; developments in black churches; Buddhists and Muslims in America; tensions in American Catholicism; the role of immigrants; the growth of mega-churches; trends in Judaism; Pentecostalism; religion in film, TV and Internet; and the rise of "spirituality", examining the theological bases of today's rapid changes, and tracing past roots and projecting future probabilities.

Note: Offered jointly with the Divinity School as 2540.

[Religion 1567. Religion and the Public Intellectual]

Catalog Number: 2548

Ronald Thiemann (Divinity School)

Half course (fall term). W., 1-3, and section to be arranged.

An inquiry into the role of the public intellectual in contemporary culture. The course will review the critical literature on the public intellectual focusing on the question of religion. Special attention will be given to the social and cultural conditions that enable religiously based social criticism and to the various genres (poetry, the essay, the novel) through which that criticism is communicated. Readings in Baldwin, Camus, Day, Hansberry, Hughes, Niebuhr, Orwell, and others.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2528.

[*Religion 1568. Religion, Ethics and Human Rights: Seminar]

Catalog Number: 7428 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School)

Half course (fall term). Tu., 1–3.

The course will look at the ethical and religious bases of human rights discourse and examine the



challenges to the universal claims inherent in that discourse. The course will explore a series of case studies on human rights issues worldwide in order to relate philosophical and religious concepts to actual human rights struggles.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2805.

[*Religion 1569. Theology and the Literary Arts]

Catalog Number: 1559 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School)

Half course (spring term). Tu., 1–3.

An exploration of literature (primarily poetry and the novel) as vehicles for the expression of public theology. We will look at literary theory as well as literature in order to assess the efficacy of the literary arts as a vehicle of religious sentiments.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2546.

[Religion 1572. Sex, Gender and Sexuality]

Catalog Number: 6407

Amy Hollywood (Divinity School)

Half course (spring term). M., 10-12, and weekly section to be arranged.

The course will explore the theoretical articulation of sex, gender, and sexuality in twentieth-century medicine, social science, psychoanalysis, philosophy, and feminist and queer theory. Attention will be given to the ramifications of these concepts for the study of religion. Readings will include texts by Sigmund Freud, Simone de Beauvoir, Jacques Lacan, Michel Foucault, Gayle Rubin, Julia Kristeva, Monique Wittig, Judith Butler, Moira Gatens and others.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2692.

Cross-listed Courses

[African and African American Studies 193. Religion and Social Change in Black America](#)

[African and African American Studies 193x. Rags to Riches: Religion and the Quest for the (African) American Dream]

[History 1213 \(formerly History 1413\). The Evangelical Tradition, c. 1700-2000](#)

Primarily for Graduates

[*Religion 2501. The Religious History of American Women: Seminar]

Catalog Number: 6508 Enrollment: Limited to 20.

Ann D. Braude (Divinity School)

Half course (fall term). F., 1–3.

Assesses both the role of gender in shaping American religious history and the impact of religion on gender norms. Women's experience explored in Protestant, Catholic, and Jewish, and North American groups such as in Shakerism and Christian Science.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2325.

Prerequisite: Previous work in American religious history or women's studies.

[Religion 2543. Circumscribing a Discipline: Theology and the Philosophy of Religion]

Catalog Number: 4293



David Lamberth (Divinity School)

Half course (spring term). Tu., 3–5.

Under what conditions did philosophy of religion emerge in Western thought? How is it separate from theology? Participants conduct research and present in the second half of the term.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 2672.

Prerequisite: Advanced work in the field.

Religion 2550. Women and Religion in Contemporary America: Seminar

Catalog Number: 8927

Ann D. Braude (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Surveys contemporary developments in Christian, Jewish, and Muslim communities. Topics include religion and women's political mobilization, including evangelical and Mormon movements; the modernization of orthodoxies, including Judaism and Catholicism; and the body as a site of conflict, exploration, and expression of the intersecting categories of religion, gender, and American identity. The course approaches persistent issues of modesty, dress, sexuality, food, menstruation, healing, and ordination.

Note: Offered jointly with the Divinity School as 2328. Expected to offered again 2011-12.

***Religion 2560. Readings in American Religious Historiography - (New Course)**

Catalog Number: 26083 Enrollment: Limited to 15.

R. Marie Griffith (Divinity School)

Half course (spring term). W., 10–12.

An advanced seminar for doctoral students preparing for general exams in American religious history. We will read major interpretive texts from the nineteenth and twentieth centuries as a way of narrating the development of this field.

Note: Offered jointly with Divinity School as 2346. Advanced MTS students currently applying for doctoral programs may also be eligible.

Graduate Courses of Reading and Research

***Religion 3505 (formerly *Religion 3505hf). Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 20.

David Neil Hempton (Divinity School)

Half course (fall term; repeated spring term). Alternate Tu., 7:30-9:30 pm.

Presentation and discussion of the research of doctoral candidates in American religious history.

Note: Open, with instructor's permission, to doctoral students in other fields of religious studies or American studies. Offered jointly with the Divinity School as 2390.

Hinduism

Primarily for Undergraduates

Cross-listed Courses



Culture and Belief 28. Hindu Worlds of Art and Culture - (New Course)
Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists

[Moral Reasoning 80. The Good Life In Classical India]

For Undergraduates and Graduates

Religion 1600. Introduction to the Hindu Traditions of India

Catalog Number: 9700

Anne E. Monius (Divinity School)

Half course (fall term). M., W., at 11, and weekly section to be arranged. EXAM GROUP: 4

An introduction to the many distinct yet interrelated religious traditions of South Asia that are often labeled "Hinduism." This course considers the ways in which Hindus from a variety of historical time periods, local traditions, and social backgrounds have attempted to make sense of their world and their lives within it.

Note: Offered jointly with the Divinity School as 3404.

Religion 1627. Hindu Ethics: Seminar

Catalog Number: 9638 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (spring term). Tu., 1–3.

An intensive exploration of the place of ethics and moral reasoning in Hindu thought and practice. Materials to be examined will be drawn from a wide range of sources, from classical Sanskrit *dharmashastra* to epic narrative, devotional poetry, and modern ethnography, but emphasis will be placed throughout upon the particularity of different Hindu visions of the ideal human life.

Note: Offered jointly with the Divinity School as 3923.

[Religion 1631. Hindu Traditions of Devotion]

Catalog Number: 9423

Anne E. Monius (Divinity School)

Half course (fall term). M., W., at 11, and a weekly section to be arranged.

An examination of Hindu *bhakti* (devotional traditions), focusing on three specific geographic/cultural regions within the Indian subcontinent. Keeping in mind both continuities and differences in the *bhakti* traditions of these three distinct cultural areas, this course explores a variety of devotional literature in English translation and considers the enduring significance and use of that deeply emotional poetry in the lives of Hindus today.

Note: Expected to be given in 2011–12. Offered jointly with the Divinity School as 3406.

[Religion 1636. Hinduism Through the Modern Novel]

Catalog Number: 5069

Anne E. Monius (Divinity School)

Half course (fall term). M., W., at 11, and a weekly section to be arranged.

Although not a literary genre indigenous to India, the novel has rapidly emerged as one of the most creative and powerful means of modern Hindu literary expression in India and abroad. This course will explore what it means to be "Hindu" in the colonial and post-colonial age through the



lens of contemporary fiction.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3411.

Religion 1660. The Brhadaranyaka Upanisad with Sankara's Commentary

Catalog Number: 3842 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (fall term). Tu., 3–5:30.

This seminar is for students interested in the study of primary Indian/Hindu texts, read in translation and in the context of a comparative dynamic of reading across the boundaries of traditions. The Brhadaranyaka Upanisad, Sankara's commentary on it (plus excerpts from Suresvara's Vartikas), will be read (in English) along with short examples from Christian theological/commentarial literature.

Note: Offered jointly with the Divinity School as 3928.

Prerequisite: No language or course prerequisites, but students who know Sanskrit will be encouraged to make use of their expertise. It is part of a series, but not necessary to have taken prior seminars.

[Religion 1663. A Summation of Hindu Theology: the Vedartha Samgraha of Ramanuja]

Catalog Number: 1380

Francis X. Clooney (Divinity School)

Half course (spring term). Tu., 3–5:30.

A seminar on Ramanuja's (10th - 11th c.) Vedartha Samgraha, dedicated to a theistic reading of the Upanisads and Vedanta, defending devotion, synthesizing an integral view of God, world, and self, while criticizing alternative Vedanta readings of the Upanisads.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School.

Prerequisite: Part of the series, Reading Hindu Texts Interreligiously, meant for students interested in closely reading Indian/Hindu texts, with attention to textual analogues from other religions. No Sanskrit required.

Religion 1665. Tamil Love: Tiruvaymoli - (New Course)

Catalog Number: 18144 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (spring term). Tu., 3–5:30.

The *Tiruvaymoli* is a classic of Tamil devotion, the major work of Nammalvar, foremost of the alvar Vaisnava saints. In 100 songs, it explores philosophical, ritual, ascetic, erotic, dramatic expressions of the divine-human relation; in commentary, Srivaisnava teachers have found here the paradigm for the spiritual path. Part of the series, *Reading Hindu Texts Interreligiously*, meant for students interested in closely reading Indian/Hindu texts, with attention to textual analogues from other religions. No Tamil required.

Note: Offered jointly with the Divinity School as 3921.

Primarily for Graduates

Cross-listed Courses

Sanskrit 201br. Advanced Philosophical Sanskrit



Buddhism

Primarily for Undergraduates

Cross-listed Courses

Culture and Belief 25 (formerly Religion 70). Studying Buddhism, Across Place and Time
Foreign Cultures 94. Buddhism and Japanese Culture

For Undergraduates and Graduates

Religion 1701. Introduction to Buddhist Scriptures and Their Critical Interpretations

Catalog Number: 5996

Charles Hallisey (Divinity School)

Half course (fall term). Tu., Th., at 9 and hour to be arranged. EXAM GROUP: 11

An introduction to basic issues in the contemporary understanding of textuality, history, and interpretation and their relevance to the study of Buddhist scriptures. Examples of Buddhist scriptures will be drawn primarily from the Mahayana traditions.

Note: Offered jointly with the Divinity School as 3836.

Religion 1702. The Buddha in Myth, Image, and Ritual

Catalog Number: 8138 Enrollment: Limited to 20.

Donald K. Swearer (Divinity School)

Half course (spring term). Th., 3–5:30. EXAM GROUP: 17, 18

Is the Buddha a spiritual exemplar, the founder of a religion, the iconic locus of devotional ritual, a cosmological principle, or all of the above? This seminar will explore the multifaceted nature of the figure of the Buddha primarily within the context of Theravada Buddhism with a particular focus on the Buddha image consecration ritual. Narrative and doctrinal constructions of the Buddha will be informed by recent studies of icons, images, relics, and ritual.

Note: Offered jointly with the Divinity School as 3572.

Prerequisite: Previous work in Buddhism.

[Religion 1707. Introduction to Buddhist Commentaries and their Critical Interpretations]

Catalog Number: 9290

Charles Hallisey (Divinity School)

Half course (spring term). Tu., Th., at 9, and hour to be arranged.

An introduction to the study of Buddhist commentaries, their textual and hermeneutic services, as well as their history and their places in Buddhist scholastic cultures. Examples of Buddhist commentaries will be drawn from across the Buddhist world.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3779.

Religion 1722. Buddhist Ethics - (New Course)

Catalog Number: 38661

Charles Hallisey (Divinity School)

Half course (fall term). W., 3–5:30.

A systematic exploration of the place of moral reflection in Buddhist thought and practice. The



scope of the course is wide, with examples drawn from the whole Buddhist world, but the emphasis will be given to the particularity of different Buddhist visions of human flourishing. Attention will also be given to the challenges and promises of describing Buddhist ethics in a comparative perspective.

Note: Offered jointly with the Divinity School as 3576.

[Religion 1740. Buddhism and Literature]

Catalog Number: 8499 Enrollment: Limited to 25.

Charles Hallisey (Divinity School)

Half course (spring term). W., 3–5:30.

A consideration of the place of Buddhist practices and values in Asian literary cultures and the place of literary culture in Buddhist life. The literary cultures considered will include examples from India, Sri Lanka, China, and Japan.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3778.

Religion 1741. Modern Buddhism and Fiction - (New Course)

Catalog Number: 23554 Enrollment: Limited to 25.

Charles Hallisey (Divinity School)

Half course (spring term). W., 3–5:30.

A consideration of fiction as a vehicle for religious reflection in the modern Buddhist world. Attention will also be given to examples of fiction in which Buddhist themes or ideas are taken up for reflection by non-Buddhist authors and audiences.

Note: Offered jointly with the Divinity School as 3777.

[Religion 1742. Introduction to Buddhist Narrative and Story Literature] - (New Course)

Catalog Number: 90183 Enrollment: Limited to 15.

Charles Hallisey (Divinity School)

Half course (fall term). Tu., Th., at 9.

An introduction to the study of narrative and story literature in the Buddhist world. A primary focus will be on the narrative and story literature found in Buddhist scriptures and commentaries, but there will also be consideration of examples of narrative and story literature that circulated independently. Examples will be drawn from across the Buddhist world.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3776.

[Religion 1752. Buddhist Logic and Epistemology: In the Wake of Dignaga]

Catalog Number: 2905 Enrollment: Limited to 12.

Parimal G. Patil

Half course (fall term). F., 3–5.

This course is an opinionated introduction to the roughly 800 year history of the Buddhist epistemological tradition in India. 2007-2008 academic year focuses on this text-traditions approach to inferential reasoning and religious language, and explore its impact on the intellectual history of religion in Southern Asia. A secondary objective is to develop a trans-disciplinary methodological approach to this material that is equally responsible to its historical, philosophical, and religious contexts.

Note: Expected to be given in 2010–11.



[Religion 1753. Buddhism Against Itself]

Catalog Number: 9746

Parimal G. Patil

Half course (spring term). F., 2:30–5.

This course is an advanced introduction to the history of Madhyamaka Buddhism in India. Its focus will be on understanding the Madhyamaka text-tradition's impact on the philosophy and intellectual history of Buddhism in Southern Asia, through an analysis of specifically intra-Buddhist debates. A secondary objective will be to inquire into the possibility (and desirability) of working towards an intellectual history of religion in Southern Asia.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3872.

Prerequisite: Previous course work in Buddhist Studies or South Asian religions will be helpful, but not required.

Primarily for Graduates

[Religion 2710r. Buddhist Studies: Seminar]

Catalog Number: 1608

Janet Gyatso (Divinity School)

Half course (spring term). W., 10–12.

This is an advanced seminar for multidisciplinary Buddhist Studies. For 2008-09 the topic was Buddhist Tantra in its Indian and Tibetan Contexts. Topics in the past have included Buddhist Monasticism, and Readings in Contemporary Buddhist Studies: The State of the Field.

Note: Expected to be given in 2011–12. It may be taken for credit more than once. Offered jointly with the Divinity School as 3888.

Prerequisite: Knowledge of at least one classical Asian language.

Religion 2735. Buddhist Bodies and Their Moral Cultivation: Seminar - (New Course)

Catalog Number: 79236 Enrollment: Limited to 20.

Janet Gyatso (Divinity School)

Half course (spring term). W., 3–5.

This seminar will study Buddhist sources for what they suggest about how the human body exists, perceives, engages with others, learns, and participates in moral and artistic development. Readings will be drawn from Buddhist writings on the body and the senses, ritual, discipline, ethics, and artistic practice, along with personal memoirs from South Asia, Tibet, and East Asia. The seminar will also study continental philosophy of the body, including Bergson and Merleau-Ponty, as resources for vocabulary and conceptualization.

Note: Offered jointly with the Divinity School as 3570.

[Religion 2760. Buddhism and Its Critics]

Catalog Number: 7232

Parimal G. Patil

Half course (fall term). Tu., 5–7 p.m.

Focuses on the Buddhist theory of momentariness. After discussing its intellectual history in India, we will read, in translation, a Buddhist "proof" of the theory, and discuss a number of non-Buddhist criticisms of it.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3867.



[Religion 2765. Re-envisioning the Philosophy of Religions]

Catalog Number: 7054

Parimal G. Patil

Half course (spring term). Hours to be arranged.

For too long the philosophy of religions has been defined by primarily Christian texts and philosophical/theological concerns. This course resists this history by asking what the philosophy of religions would look like if we began in India. Our goal this semester will be to bring new questions, concerns, and philosophical resources to the field by paying careful attention to the work of selected Buddhist, Hindu, and Jain philosophers and religious intellectuals.

Note: Expected to be given in 2010–11.

Islam

Primarily for Undergraduates

Cross-listed Courses

[Culture and Belief 12. For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures](#)

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa]

For Undergraduates and Graduates

[Religion 1802 (formerly Religion 1555). Introduction to Islamic Mysticism: The Sufi Tradition]

Catalog Number: 3830

Ali S. Asani

Half course (spring term). Th., 3-5, and hour to be arranged.

Introductory survey of Sufism, focusing on its fundamental concepts, ritual practices, institutions, and its impact on literary and sociopolitical life in different regions of the Islamic world.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3620.

Prerequisite: An introductory course in Islam or equivalent helpful but not essential.

[Religion 1806. The Vocabulary of Islam](#)

Catalog Number: 1701

M. Shahab Ahmed

Half course (spring term). Tu., Th., 1–2:30; F., at 5. EXAM GROUP: 15, 16

Provides students with knowledge of a broad range of key concepts, technical terms, seminal questions, and cultural motifs internal to the Islamic tradition. These constitute a vocabulary related to Quran and exegesis, Hadith, law, theology, political thought, philosophy, Sufism, ritual, literature, art, and architecture, that has permeated Islamic discourses, practices, and identities down to the modern period, and that is central to an informed understanding and



further study of Islam as religion and civilizational complex.

Note: Offered jointly with the Divinity School as 3978. Not open to auditors.

***Religion 1816. Ismaili History and Thought - (New Course)**

Catalog Number: 18808 Enrollment: Limited to 15.

Ali S. Asani

Half course (spring term). Th., 3–5. EXAM GROUP: 18

A seminar surveying the development and evolution of Ismaili interpretations of Islam in various historical and cultural settings.

Note: Offered jointly with the Divinity School as 3939.

Prerequisite: Prior study of Islam or permission by instructor required.

[*Religion 1820 (formerly *Religion 1585). Muslim Societies in South Asia: Religion, Culture, and Identity]

Catalog Number: 2741 Enrollment: Limited to 20.

Ali S. Asani

Half course (fall term). Th., 3–5.

South Asia is home to the largest concentration of Muslims in the world. This course surveys the development of Muslim communities in the region focusing on an exploration of their identities in diverse contexts. Issues and themes will be considered within religious and socio-political contexts, as well as the broader framework of South Asian cultures as expressed in language, literature, and the arts. The course also examines various ways in which the terms "Islamic" and "Muslim" are understood in pre-modern and modern discourses as well as the lived experiences of being Muslim in contemporary India, Pakistan and Bangladesh.

Note: Expected to be given in 2010–11. Offered jointly with Divinity School as 3625. This course, when taken for a letter grade, meets the General Education requirement for either Culture and Belief or Societies of the World, but not both. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

Prerequisite: Introductory course in Islam or equivalent.

Religion 1825 (formerly Religion 1590). Themes in Feminism and Islam: A Historical Overview

Catalog Number: 9891

Leila N. Ahmed (Divinity School)

Half course (fall term). Tu., 12–3. EXAM GROUP: 14, 15, 16

This course follows out the history of feminist debates and developments in Islam from beginnings in 19th century Egypt to contemporary and ongoing discussions of women, gender and Islam in the United States.

Note: Offered jointly with the Divinity School as 3604.

[Religion 1842. Religion, Gender, Identity: Readings in Arab and Muslim Autobiography: Seminar]

Catalog Number: 4518

Leila N. Ahmed (Divinity School)

Half course (spring term). Tu., 3–5.



We will read autobiographical works mainly by contemporary Arab and/or Muslim writers, paying particular attention to issues of identity, religion, and gender, and exploring how these are at play in the text and in authorial constructions of self.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 3616.

Cross-listed Courses

[African and African American Studies 188. Islam in Sub-Saharan Africa]

Primarily for Graduates

Cross-listed Courses

[Arabic 231a. Qur'an I: Seminar]

[Arabic 231b. Qur'an II: Seminar]

[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)

[Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar](#)

African and Other

Primarily for Undergraduates

Cross-listed Courses

For Undergraduates and Graduates

[Religion 1905. Introduction to Afro-Modernity and Trans-Atlantic Religions] - (New Course)

Catalog Number: 90388

Aisha Beliso-De Jesus

Half course (fall term). M., W., at 10, and hour to be arranged. EXAM GROUP: 3

This introductory course will bring together several major lines of thinking that have shaped the study and conceptualizing of Afro-Atlantic religious experiences. Work on African-derived religious experiences has been at the forefront of questions of race, gender, modernity, tradition and diaspora, and has led to the questioning of the categories of both "African diaspora" and "Afro-Atlantic worlds." This course is open to anyone interested in the study of these religious experiences and will give a comparative reading examining the historical development and theoretical questions of both geographic and imagined Trans-Atlantic religious connectivities and Afro-modernities. We will explore key concepts such as syncretism, transculturation, transnationalism, gender and sexuality, as well as the imaginings of Africa within and across different Trans-Atlantic religious spaces and texts.

Note: Expected to be given in 2010–11. Offered jointly with the Divinity School as 2722.

[Religion 1950. Issues in the Study of Native American Religion - \(New Course\)](#)

Catalog Number: 74695



Ann D. Braude (Divinity School)

Half course (spring term). Tu., Th., 11:30–1.

Based around a series of traditionalist guest speakers, this course interrogates the study of religion in general and of Native American traditions in particular in light of indigenous religious experiences, perspectives and histories. Questions of appropriation, repatriation and religious freedom will be approached through legal as well as cultural frameworks.

Note: Offered jointly with the Divinity School as 2345.

Cross-listed Courses

African and African American Studies 187. African Religions

Primarily for Graduates

Religion 2900. Ethnography of the African Diaspora: Race, Gender and Power - (New Course)

Catalog Number: 38866 Enrollment: Limited to 15.

Aisha Mahina Beliso-De Jesus

Half course (spring term). Th., 1–3.

This graduate seminar explores ethnographic moments of African Diaspora religions within anthropology. By taking a non-regional approach to the conceptualization of African diaspora religions we will explore how religion has been a key lens into the historical racializing, gendering and sexualizing of Black subjects, as well as a crucial aspect of revisionist and critical anthropology. We will read contemporary ethnographic works on the African Diaspora exploring the gendered and erotic production of "Blackness." Through revisionist approaches, we will explore methodological and theoretical concerns to conducting ethnography of Afro-Atlantic religions. Students will be expected to interrogate issues of modernity, tradition, ritual and secularism and examine post-colonial, transnational feminist and cultural theories of the subject.

Note: Offered jointly with the Divinity School as 2726.

Chinese and Japanese Religions

Primarily for Undergraduates

Cross-listed Courses

Foreign Cultures 94. Buddhism and Japanese Culture

Historical Study A-13. China: Traditions and Transformations

Historical Study A-14. Japan: Tradition and Transformation

***History 86a (formerly *History 1828). Christianity and Chinese Society**

Moral Reasoning 40. Confucian Humanism: Self-Cultivation and Moral Community

Moral Reasoning 78. Classical Chinese Ethical and Political Theory

For Undergraduates and Graduates

Cross-listed Courses



[East Asian Studies 140. Major Religious Texts of East Asia](#)
[Japanese History 115. Religion and Society in Edo and Meiji Japan](#)
[Japanese History 120. Religion and Society in Twentieth-Century Japan](#)
[Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]
[Japanese History 126. Shinto: Conference Course]

Primarily for Graduates

Cross-listed Courses

[Chinese History 251. Confucian Ethics: Conference Course](#)
[*History of Art and Architecture 283v. Chinese Art as Ritual]

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933

Ryuichi Abe 4974, Ali S. Asani 7739, François Bovon (Divinity School) 3551, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health, Divinity School) 1670, Diana L. Eck 4514, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Helen Hardacre 3191, Jay M. Harris 2266, Albert Henrichs 4085, Evelyn Brooks Higginbotham 3517, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473, James T. Kloppenberg 3157, Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, Everett I. Mendelsohn 2700, David G. Mitten 1290 (on leave spring term), Anne E. Monius (Divinity School) 4489, Roy Mottahedeh 1454, Laura S. Nasrallah 4834 (Divinity School), Parimal G. Patil 4478, Elisabeth Schüssler Fiorenza (Divinity School) 3193, P. Oktor Skjaervo 2869, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuip 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ryuichi Abe 4974, M. Shahab Ahmed 5273, Ali S. Asani 7739, François Bovon (Divinity School) 3551, David L. Carrasco (FAS, Divinity School) 4213, Francis X. Clooney (Divinity School) 1785, Harvey G. Cox, Jr. (Divinity School) 3479, Arthur J. Dyck (Public Health, Divinity School) 1670, Diana L. Eck 4514, Francis Fiorenza (Divinity School) 2735, Marla F. Frederick 4728, William A. Graham, Jr. 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Helen Hardacre 3191, Jay M. Harris 2266, Evelyn Brooks Higginbotham 3517, Amy Hollywood (Divinity School) 5547, Beverly M. Kienzle (Divinity School) 2452, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473, James T. Kloppenberg 3157, Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465, David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, Kevin J. Madigan (Divinity School) 4287, Everett I. Mendelsohn 2700, David G. Mitten 1290 (on leave spring term), Anne E. Monius (Divinity School) 4489, Roy Mottahedeh 1454, Laura S. Nasrallah 4834 (Divinity School), Parimal G. Patil 4478, Kimberley C. Patton



(Divinity School) 3306, Stephanie A. Paulsell (Divinity School) 5382, Jonathan Schofer (Divinity School) 5384, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Charles Stang (Divinity School) 6204, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuip 1556

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3002. Foreign Language Certification**

Catalog Number: 4791

Members of the Committee

Reading and research conducted in a specific foreign language, normally French or German, to satisfy the modern language reading proficiency requirement for PhD students in the Study of Religion.

Note: Limited to PhD candidates who receive written permission from the Committee's Director of PhD Studies.

Romance Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Romance Languages and Literatures

Virginie Greene, Harvard College Professor, Professor of Romance Languages and Literatures (*Chair*)

Gonzalo M. Aguilar, Visiting Professor of Romance Languages and Literatures (*fall term only*)

Lison Baselis-Bitoun, Lecturer on Romance Languages and Literatures

Janet Beizer, Professor of Romance Languages and Literatures (*on leave 2009-10*)

Jean-Philippe Belleau, Visiting Lecturer on Romance Languages and Literatures

Carole Bergin, Preceptor in Romance Languages and Literatures

Kimberlee Campbell, Professor of the Practice of Romance Languages and Literatures (*on leave 2009-10*)

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature (*Director of Graduate Studies in Portuguese*)

Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Francesco Erspamer, Professor of Romance Languages and Literatures (*Director of Graduate*



Studies in Italian, Fall Term) (on leave spring term)

Luis Fernández-Cifuentes, Harvard College Professor, Robert S. and Ilse Friend Professor of Romance Languages and Literatures (*on leave 2009-10*)

Chiara Frenquellucci, Preceptor in Romance Languages and Literatures

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures (*Director of Undergraduate Studies and Undergraduate Adviser in Romance Studies*)

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*Director of Graduate Studies in Spanish*)

Adriana Gutiérrez, Senior Preceptor in Romance Languages and Literatures

Sylvaine Guyot, Assistant Professor of Romance Languages and Literatures

Nina C. de W. Ingraio, Senior Preceptor in Romance Languages and Literatures

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Clémence Jouët-Pastré, Senior Preceptor in Romance Languages and Literatures

Stacey Katz, Senior Preceptor in Romance Languages and Literatures (*Director of Language Programs in Romance Languages and Literatures*)

Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Spanish*)

Dana Kristofor Lindaman, College Fellow in the Department of Romance Languages and Literatures

Maria Grazia Lolla, Lecturer on Romance Languages and Literatures

Christie McDonald, Smith Professor of French Language and Literature and of Comparative Literature (*Director of Graduate Studies in French*)

Giuliana Minghelli, Associate Professor of Romance Languages and Literatures (*Undergraduate Adviser in Italian*)

Marlies Mueller, Senior Preceptor in Romance Languages and Literatures (*on leave fall term*)

Maria Ospina, College Fellow in the Department of Romance Languages and Literatures

Christine Ott, Lauro de Bosis Lecturer on the History of Italian Civilization

Lino Pertile, Harvard College Professor, Carl A. Pescosolido Professor of Romance Languages and Literatures (*Director of Graduate Studies in Italian, Spring Term*)

Mylène Priam, Assistant Professor of Romance Languages and Literatures (*Undergraduate Adviser in French*)

José Rabasa, Visiting Professor of Romance Languages and Literatures (*University of California, Berkeley*) (*Undergraduate Adviser in Latin American Studies*)

Sergio Ramírez, Robert F. Kennedy Visiting Professor of Latin American Studies

Nicolau Sevcenko, Professor of Romance Languages and Literatures

Mariano Siskind, Assistant Professor of Romance Languages and Literatures (*on leave 2009-10*)

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African and African American Studies (*on leave 2009-10*)

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean of Arts and Humanities

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*on leave 2009-10*)

Norman A. Valencia, College Fellow in the Department of Romance Languages and Literatures

Other Faculty Offering Instruction in the Department of Romance Languages and Literatures



Franco Fido, Carl A. Pescosolido Professor of Romance Languages and Literatures, Emeritus
Stanley Hoffmann, Paul and Catherine Battenwieser University Professor
Francisco Márquez Villanueva, Arthur Kingsley Porter Professor of Romance Languages and Literatures, Emeritus

Romance Languages and Literatures offers courses in Catalan, French, Italian, Portuguese, and Spanish, as well as in Latin American Studies, and Romance Studies. Courses appear below under these headings. Letters A-D and numbers 20-99 indicate courses designed primarily for undergraduates. Courses numbered 100-199 are open to both undergraduates and graduate students. 200-level courses are intended primarily for graduate students and, exceptionally, to advanced undergraduates.

Course groupings reflect both progression in level of language study and diversity of thematic focus.

GROUP I: Courses focused on language acquisition. Courses A-D offer beginning and early intermediate instruction in language. Courses 20-59 give special attention to the development of language skills in a variety of literary and cultural contexts.

GROUP II: Courses designed to introduce students to systematic study of literature and culture. Courses 60-69 combine language study and engagement with living language communities in the Boston Area. Courses 70-79 introduce major works and currents of literary history as preparation for 100-level literature courses. Courses 80-99 include specialized undergraduate seminars, tutorials, and independent study. N.B. Courses numbered 50-90 require approximately the same level of language proficiency.

GROUP III: Advanced courses in literature and culture. Numbers 100-199 reflect period, regional, and thematic groupings. All courses in this group assume the same degree of language proficiency.

GROUP IV: 200-299 Graduate courses, chiefly seminars.

Additionally, department faculty offer courses (some of which are cross-listed below) in the Department of Comparative Literature, in the Core, Freshman Seminar, Literature and the Women, Gender, and Sexuality Studies Program. For further offerings in general and comparative Romance literature, see listings of the Departments of Comparative Literature.

Students interested in earning a foreign language citation in a Romance language should read carefully the sections on French, Italian, Portuguese, and Spanish in the description of "Citations in Foreign Language" in the Academic Performance section of the FAS Student Handbook. In general, language courses Ca and above can count toward a citation if they are taken in sequence and if they meet the criteria set forth in the Student Handbook. Literature courses taught in the target language usually offer citation credit, but students should consult course descriptions in the online catalog for exact information.

Several members of the Romance Languages and Literatures faculty offer intensive courses



through the Harvard Summer Abroad Program. These courses count for Harvard undergraduate degree credit, and may count for Romance Languages and Literatures concentration credit. For more information please see <http://www.fas.harvard.edu/~rll/undergraduate/study—abroad.html>.

No language courses may be taken pass/fail. Graduate students in the Faculty of Arts and Sciences may take language courses (numbered A-54) for a grade of Sat/Unsat, with permission of the course head. All Romance language courses, 100-level and above, may be taken Pass/Fail without course head's signature unless otherwise noted. Undergraduates are free to enroll in 200-level graduate courses without course head's signature unless otherwise noted. No auditors are allowed in lettered language courses or in courses numbered 20 to 59. No one may enter A level courses after the eighth meeting of the class, Acd, Bab or Dab classes after the first meeting, or C or 20 level courses after the sixth meeting.

Catalan

Catalan

Primarily for Undergraduates

Catalan Ba. Introduction to Catalan

Catalog Number: 2153

Bradley S. Epps and members of the Department

Half course (fall term). Tu., Th., 2:30–4:30. EXAM GROUP: 16, 17, 18

An introductory course in spoken and written Catalan, the language of approximately ten million people in Spain, France, Italy, and Andorra, and the most widely used of minoritized languages in Europe today. Native Catalan speakers include Antonio Gaudí, Salvador Dalí, Joan Miró, Antoni Tàpies, Mercè Rodoreda, and Pau Casals. Emphasizing oral communication, reading, and writing, offers students contact with contemporary Catalan culture.

Note: Conducted in Catalan. Knowledge of another Romance language is useful but not essential. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Catalan 20. Catalan Language and Culture: a Multimedia Approach

Catalog Number: 2559

Bradley S. Epps and members of the Department

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

Intermediate course introducing students to Catalan culture and boosting their oral and written skills through a wide range of resources, such as Internet, television, radio, and press. Students will get a taste of various aspects of Catalan culture: art, cinema, music, literature, traditions, cuisine, history, and more.

Note: Conducted in Catalan. May be taken Pass/Fail by undergraduates or Sat/Unsat by GSAS students.

Prerequisite: Catalan Ba, basic knowledge of Catalan, or permission of course head.

***Catalan 91r. Supervised Reading and Research**

Catalog Number: 2578



Bradley S. Epps and members of the Department

Half course (fall term; repeated spring term). Spring: M., 2–3:30, Th., 4:30–6.

Tutorial supervision of research on subjects not treated in regular courses. May be used for further language study after Catalan Ax or Ba.

French

All students with some previous French in secondary school are required to take the placement test if they have not taken the SAT II, AP, or IB examinations in French. The term “placement score” or “placement test” hereafter refers to the French placement test given during Freshman Week for freshmen, and usually on the day preceding Registration Day for returning students.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in French Literature or Language are admitted directly into French courses numbered in the 40s and 50s, or 70a and 70b, with permission of course head, and also into 100-level courses of French literature. For details of Advanced Placement see the pamphlet *Advanced Standing at Harvard College* or contact the Director of the Program of Advanced Standing.

French

Primarily for Undergraduates

French A. Beginning French

Catalog Number: 3373

Carole Bergin and members of the Department (fall term), Marlies Mueller and members of the Department (spring term)

Full course (indivisible). Sections M. through F., at 9, 10, 11, 12, and 1. EXAM GROUP: Fall: 10

Complete basic course offering equal emphasis on speaking, listening, reading and writing as well as conveying a taste for the French *savoir-vivre*. Latest technology allows for surround-sound training by native speakers in dorm rooms. By year's end, students will be able to carry on conversations in simple, correct French, and will have read a full-length play in the original by a leading figure in 20th-century French philosophy, Jean-Paul Sartre, and studied state-of-the-art movies like *Amélie*.

Note: French A fulfills the language requirement. Open to students with placement scores up to 499 or permission of course head. Students who have studied French for three years or more in secondary school must begin at French Ca or higher. May not be taken Pass/Fail. Graduate students at GSAS may take the course Sat/Unsat with permission of course head. Section on-line on the French A website.

French Ax. Reading Modern French

Catalog Number: 2763

Lison Baselis-Bitoun (fall term), Marlies Mueller (spring term) and members of the Department

Half course (fall term; repeated spring term). Fall: Tu., Th., 10-11:30; Spring: Tu., Th., 10-11:30. EXAM GROUP: 12, 13



An introduction to reading and translating modern French texts for students who require only a basic knowledge of French for research purposes. French Ax presents the principle structures of French grammar in a systematic and coherent manner and, at the same time, makes reading and translation assignments as discipline-specific as possible for each student's needs.

Note: Conducted in English. Not open to students with a score of 500 or above on the Harvard Placement Test or the SAT II French test, to those with more than one year of undergraduate French, or to auditors. May not be used to fulfill the language requirement and may not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French Ax website.

Prerequisite: Some previous study of a Romance language helpful but not necessary. Fluency in English required.

***French Bab. Intensive Beginning French: Special Course**

Catalog Number: 8780

Marlies Mueller and members of the Department

Full course (spring term). Section I, M. through F., at 10 and Tu., Th., at 11. Section II, M. through F., at 12 and Tu., Th., at 1. EXAM GROUP: 3, 12

A complete first-year course for non-requirement students. Provides a solid foundation in French for those with absolutely no prior knowledge of the language. Speaking, listening, reading, and writing are all emphasized, with class time devoted to oral expression. After French Bab, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: May not be used to fulfill the language requirement and may not be taken Pass/Fail or Sat/Unsat. Limited enrollment. Interested students should fill out the on-line request form on the French Bab website by the beginning of the fall term examination period. Individual interviews will be scheduled during the examination period.

Prerequisite: An advanced knowledge of at least one foreign language but no previous study of French.

French Ca. Intermediate French I

Catalog Number: 1810

Carole Bergin and members of the Department

Half course (fall term). M. through Th., sections at 9, 10, 11, 12, or 1. EXAM GROUP: 10

A beginning intermediate course emphasizing listening, speaking, reading, and writing, and including a study of grammar. Students become familiar with contemporary France through videotapes, feature length films, and multimedia and are introduced to French literature through a variety of texts.

Note: Conducted in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the French Ca website.

Prerequisite: 500-599 on the SAT II test or the Harvard Placement Test; 3 years of French in high school; French A; or permission of course head. Students who have studied French for three years or more in secondary school must begin at French Ca or higher.

French Cb. Intermediate French II: Voyage linguistique à travers la Francophonie

Catalog Number: 6343

Carole Bergin and members of the Department



Half course (spring term). Sections M., W., F., at 10, 11, 12, or 1. EXAM GROUP: 10

In French Cb, students continue the study of grammar begun in French Ca. and further develop their communicative skills. Students are introduced to the concept of “*la francophonie*” as represented in literary texts and films from Quebec, the Caribbean, and Africa.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the French Cb website.

Prerequisite: 550-599 on the SAT II test or the Harvard Placement test; French Ca; or permission of course head.

French 25. Comprehensive Intermediate French III, Language and Culture: L’Etre humain et son univers

Catalog Number: 8781

Lison Baselis-Bitoun (fall term), Marlies Mueller (spring term) and members of the Department
Half course (fall term; repeated spring term). Fall: M., W., F., at 10, 12, or 1. Spring: M., W., F., at 10 or 12. EXAM GROUP: 3

Comprehensive review of French grammar and intensive vocabulary building combined with French literary and cinematographic masterpieces. Authors and filmmakers, whose reflections on enduring questions of human experience and the meaning of life are compared and contrasted, include Baudelaire, Camus, Kieslowski, Pagnol, Rimbaud, and Sartre. By the end of the term, students should be able to understand lectures in French and express their thoughts orally and in writing with confidence using correct French.

Note: Conducted in French. A grade of A- in French A or French Bab, a B in French Ca with language requirement completed, a B in French Cb; or 600 on the SAT II test or the Harvard Placement test; or permission of course head. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French 25 website.

French 31. Oral Expression II: La France à travers les médias

Catalog Number: 0490

Carole Bergin and members of the Department

Half course (fall term; repeated spring term). Section I, Tu., Th., 10-11:30; Section II, Tu., Th., 11:30-1. EXAM GROUP: 12, 13

Intended for those who have learned how to handle everyday situations in a French-speaking environment, French 31 prepares students for interacting on a more sophisticated level. Students will fine-tune their oral language skills through a more advanced study of pronunciation, grammar and discourse strategies, while discussing and debating topics of current interest as they are presented in the media, including the press, radio, television, cinema, and the Internet.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. See details and section on-line on the French 31 website.

Prerequisite: French 25; 660-689 on the SAT II test or the Harvard Placement test; or permission of course head.

French 35. Upper-Level French I, Language and Culture: "La quête de soi et le rapport avec autrui"

Catalog Number: 1935

Lison Baselis-Bitoun (fall term), Marlies Mueller (spring term) and members of the Department



Half course (fall term; repeated spring term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3

Course in French language and culture designed to enhance facility in all language skills. Complete grammar review, vocabulary building, emphasizing idiomatic subtleties and social etiquette in oral and written communication. Considers representations of self and the quest for identity in literature and cinema. How does one arrive at knowledge of self, and what are the consequences of this knowledge for relationships with others? This question examined through authors and filmmakers such as Baudelaire, Camus, Hugo, Melville, Renais, Duras, Rouan, Vercors, Wargnier.

Note: Conducted in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the French 35 website.

Prerequisite: French 25; 660 on the SAT II test or the Harvard Placement test; or permission of course head.

French 36. Upper-Level French II, Language and Culture: Liberté et Conscience

Catalog Number: 6963

Marlies Mueller and members of the Department

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Advanced course in French language and literature designed to develop near-native fluency in written and oral expression. Consolidating grammatical structures, vocabulary building, and stylistic exercises. Examines the nature and consequences of freedom. How do power, knowledge, and freedom interrelate? Politics, philosophy, art, and literary imagination are considered in their relation to the creation and expansion of individual autonomy. Authors and film directors include Balzac, Beauvoir, Camus, Granier-Deferre, Maupassant, Nuytten, Ophuls, Renoir, Ribowska, and Yourcenar.

Note: Conducted in French. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the French 36 website.

Prerequisite: French 25, 31 or 35; 690 on the SAT II test or the Harvard Placement test; or permission of course head.

French 42. Introduction au monde francophone

Catalog Number: 2581

Lison Baselis-Bitoun and members of the Department

Half course (spring term). Section I: T., Th., 10-11:30; Section II: T., Th., 11:30-1. EXAM GROUP: 12, 13

Designed to introduce students to cultural issues expressed in the works of some leading Francophone writers and through art and films while helping them acquire greater skills and confidence in both oral and written expression. Discussions will focus on issues of identity, exile, tradition and modernity, rural/urban culture.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 31, 35, 36, or 37; 720 on the SAT II test or the Harvard Placement test; or permission of course head.



French 48b. Theater and Culture in Contemporary French Society

Catalog Number: 8290

Sylvaine Guyot and members of the Department

Half course (fall term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

Designed to improve spoken expression and build vocabulary as well as to develop critical thinking and writing skills. Discussions are based on readings of modern and contemporary playwrights (Ionesco, Sartre, Koltes, Barriou, Largarce, N'Diaye) and question how these plays explore the major cultural and political trends in France during the 20th and 21st centuries. Special emphasis is paid to both pronunciation and the ideological power of images through theatrical workshops.

Note: Conducted entirely in French. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 40s.

Prerequisite: French 35, 36, 37, 42, or 47b; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 51. Modern Stories about Paris

Catalog Number: 0575

Stacey Katz and members of the Department

Half course (fall term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

This course examines contemporary narratives set in Paris. Students explore writers' and filmmakers' perceptions of Paris and analyze the different ways in which the Parisian experience is presented. By reading and viewing stories about Paris, students gain insights into methods of narration and become aware of various perspectives. They also develop their own ability to summarize, narrate, interpret, critique, and substantiate arguments at an advanced level.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.

Prerequisite: French 36, 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Strongly recommended for concentrators and joint concentrators.

French 53. Advanced Grammar and Stylistics - (New Course)

Catalog Number: 18017

Stacey Katz and members of the Department

Half course (spring term). Tu., Th., 1-2:30. EXAM GROUP: 15, 16

This genre-based writing course focuses on reading and writing as complementary communicative acts. Students analyze stylistic and grammatical features of contemporary texts written in different genres. Using these features, they then create their own French written work. The course also contains a strong grammar component, focusing on both theory and practice. Students study stylistic differences between French and English, prescriptive rules of French grammar, and the grammar of spoken French.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.

Prerequisite: French 36, 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Strongly recommended for concentrators and joint concentrators.

French 55 (formerly French 45). Le Français économique et commercial

Catalog Number: 7122



Carole Bergin and members of the Department

Half course (spring term). Section I, Tu., Th., 10-11:30; Section II, Tu., Th., 11:30-1. EXAM GROUP: 12, 13

Designed for students working or traveling for business in French-speaking countries. Through audiovisual materials, the Internet, and the French press, students become familiar with the current business and economic climate in France and find out about practices, customs, and “intangibles” that make French businesses different from their American counterparts. Those enrolled may take the Paris Chamber of Commerce and Industry exams and obtain an official diploma attesting to their proficiency in French.

Note: Conducted in French. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 50s. See details and section on-line on the French 55 website.

Prerequisite: A placement score of 720 on the SAT II test or the Harvard Placement test; or permission of course head.

French 60. French and the Community - (New Course)

Catalog Number: 13398

Carole Bergin

Half course (fall term; repeated spring term). Fall: Tu., Th., 10-11:30; Spring: Tu., Th., 11:30-1. EXAM GROUP: Fall: 12, 13; Spring: 13, 14

An advanced French language course, where students will explore Haitian culture in the classroom and in the community: in class through a variety of texts and media, in their community engagement as a vehicle for greater linguistic fluency and better cultural understanding. Students will be placed with community organizations within the Greater Boston area to teach French to Haitian-American children. Introduces students to some methodology for teaching a foreign language.

Note: Interested students must apply in writing *before* registration (fall term) and before Winter Recess (spring term) to Carole Bergin.

Prerequisite: A French course at the 40 or 50-level, a placement score of 720 on the SAT II test or the Harvard Placement test; or permission of course head.

French 65. Arguing with the Best: Successful Discourse Strategies in Classical French Texts - (New Course)

Catalog Number: 80027

Marlies Mueller and members of the Department

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

The course will focus on improving communication skills - written and oral - enhance the ability to shape students' convictions, state and defend opinions, form arguments, hypothesize, negotiate and persuade others. Outstanding examples taken from classical texts from literature and essays (17th through the 20th centuries) that attempt to persuade, exhort, and argue opposing points of view on major social, political, economic, ethical and religious issues will serve as models.

Note: Conducted in French.

Prerequisite: A French course at the 40 or 50-level; a placement score of 720 on the SAT II test or the Harvard Placement test; or permission of the course head.



French 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Catalog Number: 2865

Tom Conley

Half course (spring term). M., W., at 11, plus one additional hour to be arranged. EXAM GROUP: 4

Readings and discussion of texts of various genres representative of central trends in French literature from the Middle Ages through the 18th century. Emphasis on developing analytical skills by tracing the transformations of ethical, literary, philosophical and social currents.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: 720 on the SAT II test; the Harvard Placement test; equivalent preparation; or permission of course head.

French 70b. Introduction to French Literature II: Politics of Aesthetics from 1800 to the present.

Catalog Number: 6720

Verena A. Conley

Half course (fall term). Tu., Th., at 11, plus one additional hour to be arranged. EXAM GROUP: 13

This course examines the politics of aesthetics in representative works from the French Revolution to our days. Readings include Hugo, Musset, Baudelaire, Flaubert, Rimbaud, Maupassant, Jarry, Apollinaire, Proust, Artaud, Michaux, Sartre, Camus, de Beauvoir, Beckett, Duras and Cixous.

Note: Conducted in French; third hour devoted to discussion of texts studied. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of course head.

French 70c. Introduction to French Literature III: The Francophone World

Catalog Number: 6432

Mylène Priam

Half course (fall term). W., 1-3, plus one additional hour to be arranged. EXAM GROUP: 6, 7 Studies literature, and film from Sub-Saharan Africa, the Maghreb and the French West Indies. Discussions centered on questions of cultural identities, diglossia, colonization, diaspora, trauma and memory.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: 720 on the SAT II test or the Harvard Placement test, equivalent preparation, or permission of course head.

***French 91r. Supervised Reading and Research**

Catalog Number: 3954

Mylène Priam and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.



***French 97. Tutorial—Sophomore Year: The Politics of Poetics: An Introduction to Literary and Cultural Analysis**

Catalog Number: 0173

Alice Jardine

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

An introduction to literary and cultural interpretation as it has evolved in French Studies since WWII. Our conversations will be structured around rigorous analysis of key literary works in relation to literary theory, semiotics, psychoanalysis, and politics.

Note: Required of concentrators in their sophomore year. Open to non-concentrators with permission of course head.

***French 98. Tutorial—Junior Year**

Catalog Number: 0879

Mylène Priam and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for juniors pursuing an honors track, culminating in the writing of a 20-25 page research paper in French

Note: Successful completion of one term of French 98 or equivalent is required of all honors concentrators.

***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Mylène Priam and members of the Department

Full course. Hours to be arranged.

Weekly individual instruction for students writing a senior thesis.

Note: For honors seniors writing a thesis. Successful completion of two terms of French 99 is required of all honors concentrators. Students who do not complete a thesis are required to submit a substantial paper in order to receive either half course or full course credit.

Cross-listed Courses

[Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours]

[Foreign Cultures 22a. La critique sociale à travers l'humour]

[Foreign Cultures 22b. La critique sociale à travers l'humour]

[Foreign Cultures 88. The African Experience: Between Tradition and Modernity]

For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or by permission of course head.

[French 100. History of the French Language]

Catalog Number: 4197

Virginie Greene

Half course (spring term). Hours to be arranged.

Presents the evolution of French from Latin to modern French, describes its main phonetic,



grammatical, and lexical changes, discusses the various policies which attempted to rule the use of French and its dialects from the 9th century to the present.

Note: Expected to be given in 2010–11. Conducted in French. Required of all graduate students in French.

[French 102. Introduction to Medieval Literature and Old French]

Catalog Number: 9929

Virginie Greene

Half course (fall term). Hours to be arranged.

Provides students with linguistic, literary and cultural means of exploring French medieval literature. We will study verse and prose works from the 12th to the 15th century, using both editions in Old French and translations in modern French.

Note: Expected to be given in 2010–11. Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

French 108. “Amours et armes”: A Study of Medieval Romances

Catalog Number: 3495

Virginie Greene

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Explores how war and love define romance. Readings will be organized around famous love stories (such as those of Dido and Aeneas, Lancelot and Guenièvre, Tristan and Yseut), and less famous ones, in works from the 12th to the 15th century.

Note: Conducted in French.

French 121. The Text of the Renaissance

Catalog Number: 4006

Tom Conley

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Studies writing of the Renaissance in cultural and political context; includes readings of Rhétoriciens, Marot, Rabelais, *arts poétiques*, Ronsard, Pléiade and Baroque poetry, d'Aubigné, and essays by Montaigne.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

French 124. Violences, passions et performance. Ordres et désordres de la scène classique - (New Course)

Catalog Number: 47772

Sylvaine Guyot

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Challenges the conventional notion of classicism defined as fundamentally incorporeal and rational by analyzing the staging of passions and violence on the 17th century French stage. We study both minor and major playwrights, including Rotrou, Hardy, Corneille, Racine, Molière and Boyer. This is an interdisciplinary course that includes texts by Descartes and La Rochefoucauld, paintings by Le Brun and Rubens, engravings by Chauveau and Marot, and dramaturgical workshops.

Note: Conducted in French.



French 129. Les masques de l'homme de cour : civilité et société au XVIIe siècle - (New Course)

Catalog Number: 11357

Sylvaine Guyot

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The court of Louis XIV denotes a delicate way of life as well as submission to the king's absolute power. Explores the way in which literary discourses question the values of 17th century society through the polemical figure of the courtier. Authors include La Bruyère, La Fontaine, Molière, Racine, Bussy-Rabutin, Mme de La Fayette, Mme de Villedieu. Texts by theorists of manners help situate these writers in the context of cultural and political history.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

[French 132b. 20th-Century French Fiction II: The Experimental Mode]

Catalog Number: 1890

Susan R. Suleiman

Half course (fall term). Hours to be arranged.

What are some alternatives to (or subversions of) realism in fiction? We will examine four major experimental currents or movements in 20th-century imaginative writing: Surrealism, the *nouveau roman*, the Oulipo, and *écriture féminine*. Discussion of works by Breton, Bataille, Robbe-Grillet, Sarraute, Queneau, Perec, Duras, Wittig, Cixous, as well as selected critical essays.

Note: Expected to be given in 2010–11. Conducted in French. This course, when taken for a letter grade, meets the General Education requirement for Aesthetic and Interpretive Understanding or the Core area requirement for Literature and Arts A. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

[French 136. Feminist Literary Criticisms]

Catalog Number: 3845

Alice Jardine

Half course (spring term). Hours to be arranged.

Close readings of postwar French fiction and theory with emphasis on what is called “the feminine” in key psychoanalytic, philosophical, and literary writings of the French poststructuralist tradition. What has been the legacy of fifty years of dialogue between French postwar theory and feminist practice in the US? Writers considered include Cixous, Duras, Hyvrard, Irigaray, Kristeva, and Wittig as well as Deleuze, Derrida, and Lacan.

Note: Expected to be given in 2010–11. Conducted in English.

Prerequisite: Excellent reading knowledge of French.

[French 139a. The 18th Century: Self and Society]

Catalog Number: 3637

Christie McDonald

Half course (fall term). Hours to be arranged.

An exploration of how the relationship between self and other, society and utopia, inaugurates a discourse on change from the second half of the 18th century through the French Revolution:



Marivaux, Rousseau, Diderot, d'Alembert, Voltaire, Sade, Gouges, Beaumarchais, Condorcet, Charrière, Graffigny, etc.

Note: Expected to be given in 2010–11. Conducted in French.

French 139b. The 18th Century: Ethical Dilemmas

Catalog Number: 2223

Christie McDonald

Half course (fall term). Th., 1–3; M., at 1. EXAM GROUP: 15, 16

Questions how notions of personhood and otherness inhabit the emergent novel, exploring the way in which events and values are resisted or subsumed in literary discourse and the kind of social and political responsibility that accompanies it. Readings will be taken from the works of Charrière, Gouges, Laclos, Marivaux, Montesquieu, Rousseau, Sade, Voltaire, etc.

Note: Conducted in French.

French 152. La Poésie française au XIXe siècle - (New Course)

Catalog Number: 21386

Dana Kristofor Lindaman

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

A survey course on nineteenth-century French poetry from the Romantics to the Symbolists. We'll be reading and discussing the poetry of Lamartine, Musset, Vigny, Desbordes-Valmore, Hugo, Baudelaire, Rimbaud, Verlaine and Mallarmé, among others.

Note: Conducted in French.

[French 157. The Hermaphroditic Imagination]

Catalog Number: 1338

Janet Beizer

Half course (spring term). Hours to be arranged.

While official scientific and social positions in the nineteenth century uphold rigid distinctions between women and men, the imaginary life of the period is haunted by the hermaphrodite and other figures that play on the margins of sexual division, challenging the separation of the spheres. We'll read and discuss hermaphroditic fictions chosen from Balzac, George Sand, Gautier, Flaubert, Zola, and Rachilde.

Note: Expected to be given in 2011–12. Conducted in French.

[French 161. Walk, Look, Write: 19th-Century Flâneurs and Flâneuses]

Catalog Number: 1729

Janet Beizer

Half course (spring term). Hours to be arranged.

We will discuss the importance of the eye and the wandering body that transports it in space, in a selection of realist and naturalist texts, looking too at alternatives to the commanding gaze of the observer that dominates realist doctrine. Readings may include Balzac, Huysmans, Tristan, Zola, Sand, Rachilde.

Note: Expected to be given in 2010–11. Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



French 162. Voyages of Self-Discovery - (New Course)

Catalog Number: 57801

Dana Kristofor Lindaman

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

This course explores the various iterations of the French initiatory novel providing a framework for analyzing ideas of self and society within nineteenth-century French society. Our readings for the semester will be selected from the following: de Duras, Balzac, Stendhal, Baudelaire, Hugo, Rimbaud, Verne, Zola, Bruno, Sand and Maupassant, as well as Eliade, Lévi-Strauss and Barthes.

Note: Conducted in French.

[French 165. Marcel Proust]

Catalog Number: 4620

Christie McDonald

Half course (spring term). Hours to be arranged.

In Proust's novel, *A la recherche du temps perdu*, questions of time and memory, truth and signification, literature and philosophy converge to ask: who am I? What does it mean to become a writer? Discussion of Proust's novels and essays, as well as a number of critical texts.

Note: Expected to be given in 2010–11. Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

French 167. Parisian Cityscapes

Catalog Number: 7641

Verena A. Conley

Half course (spring term). M., 3-5 p.m. with film screenings M., 7-9 p.m. EXAM GROUP: 8, 9

Examines the rapid urbanization of Paris from World War II to the present by means of fiction, films and critical essays. Investigates how the Americanization of France, decolonization, immigration, globalization and the European Union continue to restructure the city with repercussions on its social, political, and artistic life. Readings and viewings include: Assayas, Allouache, Barthes, Baudrillard, de Beauvoir, Cantet, Godard, Kassovitz, Kechiche, Maspero, Perec, Rochefort, Ross, Truffaut, Varda, Rabah Ameur-Zaimeche.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[French 170. The City]

Catalog Number: 3007

Verena A. Conley

Half course (spring term). Hours to be arranged.

Focuses on representations of the city in literature (Mercier, Balzac, Baudelaire, Zola, Breton, Aragon) and theory (Benjamin, Lefebvre). Analyzes the evolution of the concept under the impact of industrialization and technological inventions.

Note: Expected to be given in 2010–11. Conducted in French.

French 172. Twentieth-Century Republican Geographies - (New Course)

Catalog Number: 72908

Dana Kristofor Lindaman



Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

In this course we will explore twentieth-century counter narratives (linguistic, political and gender-based) that resist or rework the traditional republican myths that have given meaning to modern French society. Texts include both books and film: Helias, Ernaux, Pagnol, Condé, Modiano, Oyono, Brasillach, Diallo, Bey, Kechiche, Vigo, Laye and Cantent, among others.
Note: Conducted in French.

French 180. "The Words to Say It": Women Writing in French from Colette to Satrapi

Catalog Number: 4566

Alice Jardine

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

Motherhood, romantic love, independence, sexuality, citizenship, fantasy, death: these are just some of the themes explored in women's novels, written in French, in the postwar period. We will read 8 novels together, exploring how they have finally become classics, even given what they say about life and what it means for women to write about it.

French 184. Cinema and the auteur - (New Course)

Catalog Number: 93093

Tom Conley

Half course (spring term). T., 11:30-1 and required film screenings on Mondays 4-6:30. EXAM GROUP: 13, 14

Studies development of *auteur* theory in French film and criticism. Readings include *Cahiers du cinéma*, Bazin, Deleuze, Godard, and Foucault. Viewings include Renoir, American and Italian *auteurs*, and post-new wave cinemas.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

French 185. National Identity and Narrative Representation in 20th-Century Francophone Literature

Catalog Number: 5070

Mylène Priam

Half course (spring term). Th., 1-3. EXAM GROUP: 15, 16

Through works of prominent Francophone authors from various origins who discuss their own comprehension - fictionalized, poetic or autobiographic - of being French and/or African, Cuban, Eastern European, etc., we explore the plural foundations of contemporary France and the question of French cultural, national or social identity to examine, question, deconstruct issues namely of territoriality, boundaries, nomadism, exile, ethnicity, citizenship, notions of Republic, national or continental sentiment.

Note: Conducted in French.

French 190. Albert Camus

Catalog Number: 7510

Stanley Hoffmann

Half course (spring term). Th., 4-6. EXAM GROUP: 18

A study of Camus's writings as a journalist, playwright, novelist and political thinker, and of the controversies in which he was involved (the fate of Algeria, the occupation and liberation of



France, relations with Catholics, Camus's anticommunism, the Camus-Sartre clash). The tension between his art and his commitments, as well as his influence during and after his life will be examined.

Note: Conducted in French.

Cross-listed Courses

History of Art and Architecture 159. Image and Text in 16th Century France

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

***Literature 104. On Theory**

[Literature 129. Reading the 18th Century Through 21st-Century Eyes]

[*Literature 146 (formerly *Literature 124). Space and Place in Postmodern Culture]

Literature 150. Colonial and Post-Colonial Spaces: France-North Africa

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

[Visual and Environmental Studies 170 (formerly 174c). Film and Photography, Ontology and Art]

[Visual and Environmental Studies 190f. Contemporary French Cinema]

[Visual and Environmental Studies 196. Women's Film and Video in France: Agnès Varda, Chantal Akerman and Claire Denis]

Primarily for Graduates

French 216. The Romance of the Rose and the Art of Debating - (New Course)

Catalog Number: 82732

Virginie Greene

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

A reading of the debates within the Rose and about it. Other medieval authors considered include Andreas Capellanus and Christine de Pisan. Topics addressed: rhetoric, dialectic, misogyny, allegory, obscenity.

Note: Conducted in French or English, to be determined by class composition. Readings in French.

French 225. Le corps des héros : Racine / Corneille, un parallèle revisité - (New Course)

Catalog Number: 77986

Sylvaine Guyot

Half course (spring term). W., 4–6. EXAM GROUP: 9

We consider the physical representation of heroism and the emerging ideal of a gallant body in the tragic drama of Corneille and Racine. Theoretical readings include Certeau, Marin, Agamben, Rancière.

Note: Conducted in French.

[French 255. Metamorphoses of the Vampire]

Catalog Number: 3630

Janet Beizer

Half course (fall term). Hours to be arranged.



The vampire myth came of age with literary modernism and shares with it an identity in displacement, fragmentation, and fluidity. Texts may include Baudelaire, Nodier, Balzac, Gautier, Maupassant, Rachilde, Stoker, Coppola, and theory.

Note: Expected to be given in 2010–11. Conducted in French or English.

[French 259. The Culture of Hysteria in Nineteenth-Century France]

Catalog Number: 3349

Janet Beizer

Half course (spring term). Hours to be arranged.

As we read nineteenth-century medical, literary, and cultural texts, we ask why hysteria flourished in this time and place, and trace the diagnosis as symptom of a broader cultural malaise.

Note: Expected to be given in 2010–11. Conducted in French or English, to be determined by class composition. Readings in French.

[French 268. "Foreigners" in French, from Beckett to Rahimi] - (New Course)

Catalog Number: 65916

Susan R. Suleiman

Half course (spring term). Hours to be arranged.

We examine novels and essays by writers who have *chosen* French as their literary language in the 20th and 21st century. Works by Némirovsky, Makine, Kundera, Kristeva, Cheng, others.

Note: Expected to be given in 2010–11.

French 274. Hybridization, Intertextuality and Métissage in Literatures from Mauritius, La Réunion & the Caribbean

Catalog Number: 6398

Mylène Priam

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Explores novels, concepts, theories (Créolization, Divers, etc) that challenge any stable notion of identity and help to problematize the definition of postcolonial literatures in French. Works by Glissant, Chamoiseau, Maximin, Condé, Rakotoson, Segalen, Foucault, etc.

Note: Conducted in French. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

[French 285r. French Literature: Seminar]

Catalog Number: 7479

Tom Conley

Half course (spring term). Hours to be arranged.

Topic for 2009-10: Montaigne.

Note: Expected to be given in 2010–11. Conducted in French. Open to qualified undergraduate students.

Cross-listed Courses

Comparative Literature 278. Failure and Change (Graduate Seminar in General Education) - (New Course)



[*History of Art and Architecture 270m. The Ethnographic Imagination]

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History**

Graduate Courses of Reading and Research

Advanced graduate students reading in the field of a proposed doctoral dissertation or working in a field of specific interest not covered by courses may propose individual projects of reading and research to be undertaken under the direction of individual members of the Department.

***French 320. French Literature: Supervised Reading and Research**

Catalog Number: 1798

Janet Beizer 3957 (on leave 2009-10), Tom Conley 1908, Verena A. Conley 2250, Virginie Greene 1007, Alice Jardine 7457, Christie McDonald 1160, Mylène Priam 5302, and Susan R. Suleiman 7234 (on leave 2009-10)

***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957 (on leave 2009-10), Tom Conley 1908, Verena A. Conley 2250, Virginie Greene 1007, Alice Jardine 7457, Christie McDonald 1160, Mylène Priam 5302, and Susan R. Suleiman 7234 (on leave 2009-10)

Italian

All students with some previous Italian in secondary school are required to take the placement test if they have not taken the SAT II, AP, or IB examinations in Italian. The term "placement score" or "placement test" hereafter refers to the Italian placement test given during Freshman Week for freshmen, and usually on the day preceeding Registration Day for returning students.

Students who receive a grade of 5 in the College Board Advanced Placement Examinations in Italian are admitted directly into Italian courses numbered in the 30s or higher, with permission of the course head. For details of Advanced Placement see the pamphlet Advanced Standing at Harvard College or contact the Director of the Program of Advanced Standing.

Italian

Primarily for Undergraduates

Italian Aa (formerly Italian A). Beginning Italian, I

Catalog Number: 4309

Elvira G. DiFabio and members of the Department

Half course (fall term; repeated spring term). Fall: M., W., F., sections at 9, 10, 12 or 1, and an extra hour on M. 4-5 or F. 2-3. Spring: M., W., F., section at 10, and an extra hour on M. 4-5 or F. 11-12. EXAM GROUP: Fall: 2; Spring: 3

For students with little or no knowledge of Italian. Aims at achieving basic communication skills and vocabulary. Emphasis on oral expression and listening comprehension. Course materials



include online workbook and lab.

Note: Conducted in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian Aa. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Aa website. There are four contact hours per week. The conversation hour may be re-arranged to accommodate scheduling conflicts.

Italian Ab. Beginning Italian II

Catalog Number: 7029

Elvira G. DiFabio

Half course (fall term; repeated spring term). Fall: M., W., F., section at 10am and an extra hour M. 4-5 or F. 11-12. Spring: M., W., F., sections at 10, 12, or 1 and an extra hour M. 4-5 or F. 2-3. .

Continuation of Ital Aa, second semester beginning level. Increasing emphasis on reading and writing. Introduction to Italian literature through excerpts from major writers; overview of the history of Italy. Course materials include online workbook and lab.

Note: May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ab website. N.B. There are four contact hours per week. Conversation hour may be rearranged to accommodate scheduling conflicts.

Prerequisite: Italian Aa, or a score of 450 or less on the SAT II test or the Harvard Placement test, or a score of 3 or less on the AP Italian exam, or two years of high school Italian, or permission of course head.

Italian Ax. Reading Italian

Catalog Number: 4015

Elvira G. DiFabio and members of the Department

Half course (spring term). Tu., Th., 1–3. EXAM GROUP: 15, 16

For students (both undergraduate and graduate) with little or no knowledge of Italian. Aims at the rapid development of reading skills as a tool for research. Selections of materials in accordance with the needs of the participants.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ax website.

***Italian Bab. Intensive Beginning Italian: Special Course**

Catalog Number: 3065 Enrollment: Limited to 15.

Elvira G. DiFabio and members of the Department

Full course (fall term; repeated spring term). Fall: M. through F. at 10, and Tu.,Th., at 9;

Spring: M. through F. at 10, and Tu., Th. at 9. EXAM GROUP: 3, 12

A complete first-year course in one term for students with no knowledge of Italian, focused on developing all four communicative skills. Students are introduced to contemporary Italian culture through a variety of websites, films and cultural readings that include G. Boccaccio's *Andreuccio da Perugia*.

Note: May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students who have not placed out of the language requirement must take one full year of a language. Italian Bab or Dab taken alone may not be used to fulfill the language requirement. However, there are ways to combine Bab or Dab with another course in order to fulfill the language requirement.



Consult Dr. Elvira Di Fabio or the Undergraduate Adviser in Italian for details. Conducted in Italian. Section on-line on the Italian Bab website.

Prerequisite: An advanced knowledge of at least one foreign language, preferably a modern Romance language, but no previous study of Italian.

Italian Ca. Intermediate Italian I: L'italiano con i fumetti

Catalog Number: 3217

Chiara Frenquellucci and members of the Department

Half course (fall term; repeated spring term). Fall: M., W., F., at 12 and W. at 2. EXAM

GROUP: 5, 7

Refines and expands the communication skills acquired in Elementary Italian. Students are introduced to contemporary Italian culture through comic books, films, short stories and Nicolò Ammaniti's *Io non ho paura*. Assignments include practice of complex grammatical structures, weekly blog entries, and a collaborative comic book or *fotoromanzo* project.

Note: Conducted in Italian. May not be taken Pass/Fail. Section on-line on the Italian Ca website.

Prerequisite: Italian Ab or Bab, or 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

Italian Cb. Intermediate Italian II: L'italiano con le favole

Catalog Number: 6805

Chiara Frenquellucci and members of the Department

Half course (spring term). M., W., F., at 1 and W., at 3; . EXAM GROUP: 6

A continuation of Italian Ca. Students experience Italian culture through a variety of readings and films that include traditional and modern folktales. Assignments include practice of complex grammatical structures, weekly blog entries on each group's work in progress, and a student-scripted adaptation and performance of Collodi's *Pinocchio*.

Note: Conducted in Italian. May not be taken Pass/Fail. Section on-line on the Italian Cb website.

Prerequisite: Italian Ca or permission of course head.

***Italian Dab. L'italiano con i documentari**

Catalog Number: 7258 Enrollment: Limited to 15.

Chiara Frenquellucci and members of the Department

Full course (spring term). M., W., F., at 12, Tu., Th., 1-3. EXAM GROUP: 5

A complete second-year course in one term, or the equivalent of Italian Ca and Cb. Students are introduced to contemporary Italian through shorts, documentaries, articles and other readings and Carlo Collodi's *Pinocchio*. Assignments include practice of complex grammatical structures, weekly blog entries, and a series of collaborative video projects about Italians and Italian Americans in the Boston area.

Note: May not be taken Pass/Fail. Conducted in Italian. Section online on the Italian Dab website.

Prerequisite: Italian Ab or Bab, 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

[Italian 33. Oral Expression: La musica dell'italiano]

Catalog Number: 6463



Elvira G. DiFabio and members of the Department

Half course (fall term). Hours to be arranged.

An oral expression course based on Italian Opera, Italian 33 is intended for students with an advanced-intermediate knowledge of Italian but does not require prior knowledge of either music or opera. Content focuses on both the cultural and the linguistic elements of the "musical voice" of Italians as expressed by Rossini, Verdi, Donizetti, Puccini, Leoncavallo, and others.

Note: Expected to be given in 2010–11. Conducted in Italian. Monthly screenings to be arranged. May not be taken for credit by students who have passed Italian 35. Section on-line on the Italian 33 website.

Prerequisite: Italian Cb, 600 or above on the SAT II or Harvard Placement test, or permission of course head.

Italian 35. Upper-Level Italian I: Parliamo dell'Italia

Catalog Number: 2659

Elvira G. DiFabio and members of the Department

Half course (fall term). Section I: M., W., F., at 10 with writing workshop on F. at 2; Section II: M., W., F., at 12 with writing workshop on F. at 2. EXAM GROUP: 3

Insights into Italian society and culture, especially through Italian newspaper and magazine articles, feature films, and videotapes. For students with a solid grasp of the fundamentals of Italian grammar. Aims at improving command of the language both in speaking and writing, combined with reading strategies. Practice consists of discussions, exercises in diction, and written reports.

Note: Conducted in Italian. May not be taken for credit by students who have passed Italian 33. Section on-line on the Italian 35 website.

Prerequisite: Italian Cb, Italian S-52, 630 or above on the SAT II test or the Harvard Placement test, or permission of course head.

Italian 36. Upper-Level Italian II: La cultura della lingua

Catalog Number: 5223

Elvira G. DiFabio and members of the Department

Half course (spring term). M., W., F., at 12 and F. at 11. EXAM GROUP: 5

Aims at advancing students' proficiency in speaking, reading and writing through vocabulary development and extension of control of higher-level syntactical patterns. Reading dossier and films all related to twentieth-century Italian society. Practice through class presentations, compositions, and discussions.

Note: Conducted in Italian. Section on-line on the Italian 36 website.

Prerequisite: Italian 35 or permission of course head.

Italian 40. Advanced Oral Expression: Teatro dal vivo

Catalog Number: 0804 Enrollment: Limited to 12.

Chiara Frenquellucci and members of the Department

Half course (spring term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18

Students perfect oral expression and communication skills through the close reading and performance of plays from the Commedia dell'arte to Carlo Goldoni, Giovanni Verga, Eduardo De Filippo and Nobel Prize-winners Luigi Pirandello and Dario Fo. Preparation in diction and presentation techniques culminates in the adaptation and production of a 20th century play



performed during the Arts First Festival.

Note: Conducted in Italian. May not be taken Pass/Fail. Section on-line on the Italian 40 website.

Prerequisite: Italian 35 or 36; equivalent preparation; or permission of course head. Appropriate for concentrators electing the Italian Studies track.

[Italian 41. Italian Cities: Rome] - (New Course)

Catalog Number: 64793 Enrollment: Limited to 12.

Chiara Frenquellucci and members of the Department

Half course (fall term). Hours to be arranged.

Focusing on the city of Rome this course explores regional culture(s) and the concept of city-states in the development of Italian identities. The city's *quartieri*, architecture, writers, gastronomy, history and legend are introduced through readings, the web, films, workshops and guests. Through guided practice of journalistic and narrative styles, students narrate their own multimedia virtual tour of the capital or another Italian city.

Note: Expected to be given in 2010–11. Conducted in Italian. May not be taken Pass/Fail.

Section on-line on the Italian 41 website.

Prerequisite: Italian 35 or 36; equivalent preparation; or permission of course head. Appropriate for concentrators electing the Italian Studies track.

Italian 44. Advanced Italian: Effetto Commedia: What Makes Italians Laugh?

Catalog Number: 5776

Elvira G. DiFabio and members of the Department

Half course (fall term). M., W., 1-3.

Comedy Italian-style in cinema (from Totò to Benigni) and its origins. Presents students with another dimension of Italian culture, while perfecting their language skills. Problems in composition addressed through short weekly assignments; grammar review in context. Weekly video screenings.

Note: Conducted in Italian. Section on-line on the Italian 44 website.

Prerequisite: Italian 35 or higher, or permission of course head. Appropriate for concentrators electing the Italian Studies track.

[Italian 48. Advanced Italian: Voices from Italy: Issues of Identity]

Catalog Number: 0178

Elvira G. DiFabio

Half course (fall term). Hours to be arranged.

An exploration of various identities of Italy, including that of non-Italians in contemporary Italy and Italians living abroad. Students will investigate these issues from a wide variety of sources, including literary, historical and sociological texts, news reports and feature films. Frequent oral and written assignments. Grammar reviewed in context, with particular emphasis on the functions of describing, summarizing and expressing an opinion.

Note: Expected to be given in 2010–11. Conducted in Italian. Open to graduate students with permission of course head. Section on-line on the Italian 48 website.

Prerequisite: Italian 35 or higher, or permission of course head. Appropriate for concentrators selecting the Italian Studies track.



[Italian 50. Literary Translation]

Catalog Number: 5676

Elvira G. DiFabio and members of the Department

Half course (fall term). Hours to be arranged.

Translation from English to Italian, and occasionally from Italian to English, using sample texts from literature, history, and philosophy, as well as texts being considered for publication.

Discussion of a variety of styles, literary devices, semantic and cultural distinctions, and structural differences, along with testimony from a number of authors, including Pavese, Eco and Venuti.

Note: Expected to be given in 2010–11. Conducted in Italian. Open to graduate students with permission of course head. Section on-line on the Italian 50 website.

Prerequisite: Italian 44 or higher or permission of course head.

[*Italian 60. Italian and the Community]

Catalog Number: 4014 Enrollment: Limited to 12.

Elvira G. DiFabio and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

An advanced language course promoting community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area public schools as teaching assistants or aides. Class work focuses on community service through language; texts and articles on language pedagogy, including national/European standards and advanced placement; development of activities using archives the Italian public broadcast network, for application in the classroom.

Note: Expected to be given in 2010–11. See Italian 96r for an alternate course.

Prerequisite: Italian 36, 40 or above, a score of 750 on the Harvard Placement Test, or permission of course head.

Italian 82. Italian Travels - (New Course)

Catalog Number: 55887 Enrollment: Limited to 12.

Chiara Frenquellucci

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Italian travelers and travelers to Italy, both real and imagined, including voyages from Marco Polo to Italo Calvino, exotic adventures by Emilio Salgari and the immigrant experience described by Pap Khouma, Carmine Abate and other "new Italians".

Note: Conducted in Italian.

Prerequisite: Italian 40, 41 or 44; equivalent preparation; or permission of course head.

Appropriate for concentrators electing the Italian Studies track.

Italian 88 (formerly Italian 83). Italian Popular Culture in the Age of Television

Catalog Number: 4259

Giuliana Minghelli

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to Italian popular culture through songs, TV shows, comics, popular films and fiction. Texts will be read against the socio-historical context of the early sixties "miracolo economico," the political upheaval of the late sixties and seventies, the "riflusso" of the eighties, the political "glasnost" of the nineties and up to contemporary times. We will discover and



analyze competing inscriptions of "Italianness" and the ongoing creation of their meaning over the past half-century.

Note: Conducted in Italian.

Prerequisite: Italian 40, 41 or 44; equivalent preparation; or permission of course head.

Appropriate for concentrators electing the Italian Studies track.

***Italian 91r. Supervised Reading and Research**

Catalog Number: 2287

Giuliana Minghelli and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Italian 96r. Italian and the Community: Italy. Academic Internships in Italian Language and Culture**

Catalog Number: 3749

Elvira G. DiFabio and members of the Department

Half course (fall term; repeated spring term). W., 4-5pm, with section W., 1-2:30 or F 1-2:30.

An opportunity to engage in the practical applications of Italian language and culture in an immersion environment. Internships may include placement in a variety of sectors, including public education, the media and the arts.

Note: Though academic internships may be arranged in the Greater Boston area, this course can be proposed as integral to a study abroad program in Italy, the details of which are to be coordinated in consultation with the Course Head and the Office of International Programs. Students are expected to produce substantial research papers based on relevant class work and field placements. The student, under the guidance of faculty and study abroad advisers, is responsible for arranging the terms of the internship.

Prerequisite: Consent of Course Head.

***Italian 97. Tutorial—Sophomore Year**

Catalog Number: 1795

Giuliana Minghelli and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual tutorial supervision designed to introduce sophomores to conducting research in the field of Italian Studies.

Note: Conducted in Italian. Successful completion of one term of Italian 97 (or equivalent) is required of concentrators.

***Italian 98. Tutorial—Junior Year**

Catalog Number: 1167

Giuliana Minghelli and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for juniors pursuing an honors track, culminating in the writing of a 20-25 page research paper in Italian.

Note: Successful completion of one term of Italian 98 (or equivalent) is required of all honors concentrators.



***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Giuliana Minghelli and members of the Department

Full course. Hours to be arranged.

Weekly individual instruction for students writing a senior thesis in Italian.

Note: Successful completion of one term of Italian 99 is required of all honors concentrators.

Cross-listed Courses

Literature and Arts A-26. Dante's *Divine Comedy* and Its World

For Undergraduates and Graduates

[Italian 113. On the Road and in the Streets: Sites of Transition in Italian Cinema and Literature (1941-to the present)]

Catalog Number: 3827

Giuliana Minghelli

Half course (fall term). Hours to be arranged.

Explores cinematic and literary use of the road as an alternative to controlled environments from Fascism to the present. From early road movies like Luchino Visconti's *Ossessione* to migration films like Gianni Amelio's *Lamerica*, the course explores how roads map social change, ethnographic observations, memory and forgetting and the hopes and fears of a rapidly evolving nation.

Note: Expected to be given in 2010–11. Conducted in English.

Italian 130c. Dante's *Paradiso* - (New Course)

Catalog Number: 86892

Lino Pertile

Half course (fall term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Close readings of Dante's *Paradiso* in the context of medieval culture. Will consider Dante's poetry and the complex literary, philosophical and theological issues it raises. As no part of the *Divine Comedy* can be fully appreciated without knowing the whole, students are advised to familiarize themselves with the whole poem.

Note: Conducted in Italian. Students will be expected to attend Literature and Arts A-26 lectures.

[Italian 140. The Human Comedy: the *novella* from its origins to the Renaissance]

Catalog Number: 4689

Lino Pertile

Half course (spring term). Hours to be arranged.

The tradition of the Italian novella, or short story in prose, from its inception in the anonymous *Novellino* to its maturity in Boccaccio's *Decameron* and the works of other major storytellers from Sacchetti to Bandello. Selected tales will be studied for their artistic quality, and as a mirror of the varied life of Italian society between the Middle Ages and the Renaissance.

Note: Expected to be given in 2010–11. Conducted in English or Italian.



Italian 141. Renaissance Epic

Catalog Number: 5328

Francesco Erspamer

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

Arguably the masterpiece of the Italian Renaissance, Torquato Tasso's *Jerusalem Delivered* addressed the fears and opportunities triggered by global explorations, new technologies, and the making of the modern self. A close reading of the poem will be preceded by a survey of the epic tradition, from Homer and Virgil to the *Chanson de Roland* and Ariosto's *Orlando Furioso*.

Note: Conducted in Italian.

Italian 147. The Culture of the Baroque - (New Course)

Catalog Number: 39989

Christine Ott

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

After an introduction to the Italian Art and Literature in the Baroque Age, we will focus on poetry and artworks that figure artistic myths, e.g. Pygmalion, who created a life-like statue and became victim of his own illusion. By this way, we will explore the key concepts of Baroque Aesthetics and Culture.

Note: Conducted in Italian.

Prerequisite: Reading knowledge of Italian.

[Italian 148. Between Africa and Italy: Literature, Film and Cartoons]

Catalog Number: 4618

Giuliana Minghelli

Half course (spring term). Hours to be arranged.

From Emilio Salgari's 19th-century adventure novels, to the postmodern comics of Hugo Pratt, this course investigates the representation of Africa in Italian culture. How does Africa shape the work of Modernist writers who lived in Alexandria like Marinetti, Ungaretti, and Cialente, and filmmakers like Pasolini and Antonioni, shooting their postmodern wanderings "on location" in Africa? And reversing the gaze, what is the image of Italy in the texts of recent African immigrant writers?

Note: Expected to be given in 2010–11. Conducted in Italian.

Italian 162 (formerly Italian 182). Intimate Architectures: Dwelling and Subjectivity in the Works of Italian Women Writers

Catalog Number: 8471

Giuliana Minghelli

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

How is the architecture of the house both an expression of habit and a figure of desire? From Sibilla Aleramo to Alba de Céspedes and Elsa Morante, and through to Elena Ferrante, this course will explore the house as a site of belonging, confinement and transgression. Discussions will address the tension between domestic and public space, and the poetics and politics of inhabiting as a construction of subjectivity and difference.

Note: Conducted in Italian or English, to be determined by class composition.



[Italian 171. Cultural History and Nation-Making: 1870-1920]

Catalog Number: 4705

Maria Grazia Lolla

Half course (spring term). Hours to be arranged.

Introduction to the contested cultural history of the newly-made Italy: war, work, education, popular culture, fashion, festivals and cooking. Students will explore the interaction between literary texts and other cultural forms.

Note: Expected to be given in 2010–11. Conducted in English.

[Italian 174. On Beauty: History and Representation]

Catalog Number: 4364

Francesco Erspamer

Half course (spring term). Hours to be arranged.

Studies the development of the idea of beauty (and ugliness) in Western culture and theory, with examples mostly taken from Italian literature and film, including Petrarch, Veronica Franco, Tasso, d'Annunzio, the Futurists, Fellini, Muccino.

Note: Expected to be given in 2010–11. Conducted in English.

Italian 175. Picturing Place: Landscape, Literature, and Cinema from the Eighteenth to the Twentieth Century - (New Course)

Catalog Number: 76404

Giuliana Minghelli and Maria Grazia Lolla

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Changing approaches to the experience, the representation and the interpretation of the Italian landscape from the eighteenth to the twentieth century through literary texts, visual arts, and film.

Note: Conducted in Italian or English, depending on class composition.

Prerequisite: Reading knowledge of Italian.

Cross-listed Courses

History of Art and Architecture 152. Italian Renaissance Art
Linguistics 110. Introduction to Linguistics

Primarily for Graduates

Italian 201r (formerly Italian 201). Italian Studies Colloquium

Catalog Number: 6124

Lino Pertile

Half course (spring term). W., 4–6:30. EXAM GROUP: 9

Current scholars in the field of Italian Studies present their most recent works.

Note: Conducted in Italian.

[Italian 202r. Seminar in Italian Studies -- Free Church, Free State: Liberal Thinking in Italy from the Renaissance to Today] - (New Course)

Catalog Number: 55096



Instructor to be determined

Half course (fall term). Tu., 4–6:30.

Through the works of Machiavelli, Bruno, Galileo, Beccaria, and Gramsci, we analyze the development in Italy of ideas of liberty and democracy, and the beginning of the independence of civil society and Church.

Note: Expected to be given in 2010–11. Conducted in Italian.

[Italian 230. Petrarca and the Divided Self]

Catalog Number: 5548

Lino Pertile

Half course (spring term). Hours to be arranged.

Petrarch's vernacular poetry in cultural context of Trecento Italy. Particular reference to Dante and the *dolce stil nuovo*. Stylistic and linguistic features of Petrarch's *Rime* analyzed in depth while philosophical aspects are related to Petrarch's Latin works, especially the *Secretum*.

Note: Expected to be given in 2010–11. Conducted in Italian.

Italian 260r. Poesia del Novecento - (New Course)

Catalog Number: 50477

Lino Pertile

Half course (spring term). W., 1:30–4. EXAM GROUP: 6, 7, 8

Will focus on the theme of commitment vs. withdrawal in the poetry of the 1950s and 1960s.

Major poets considered include Montale, Pasolini, and Zanzotto.

Note: Conducted in Italian.

[Italian 263. Cities Visible and Invisible: Italian Urban Life and Cultural Change (1904-2004)]

Catalog Number: 8114

Giuliana Minghelli

Half course (spring term). Hours to be arranged.

Resistant to rationality, Italian cities are both archeological sites and blueprints of utopia. From unification to globalization, explores changing ideas of identity, community and citizenship through fiction, film and critical essays on the urban scene.

Note: Expected to be given in 2010–11. Conducted in Italian.

[Italian 288r. Italian Literature Seminar]

Catalog Number: 0613

Lino Pertile

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11. Conducted in Italian.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Italian 320. Italian Literature: Supervised Reading and Research**



Catalog Number: 4834

Francesco Erspamer 5074, Franco Fido 2446, Giuliana Minghelli 4442, and Lino Pertile 3416

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Francesco Erspamer 5074 (on leave spring term), Franco Fido 2446, Giuliana Minghelli 4442, and Lino Pertile 3416

Latin American Studies

Latin American Studies is an interdisciplinary concentration administered through Romance Languages and Literatures (RLL). Literature, History, Government, Economics, and Anthropology are among the sites where Latin American specialists offer a range of methods and materials to approach a complicated cultural space. For additional courses offered in RLL in the field of Latin American Studies, see Portuguese and Spanish.

[Latin American Studies](#)

Primarily for Undergraduates

[Latin American Studies 70. Modernity, Culture and Politics in Latin America](#)

Catalog Number: 3379

Nicolau Sevcenko

Half course (spring term). Th., 3-5 and an additional section hour to be arranged. EXAM GROUP: 17, 18

An introduction to central debates and problems that have shaped Latin American culture. We address cultural identity, gender, race, politics and aesthetics by looking at historical and literary texts, films, visual arts and urban development from an interdisciplinary perspective. We analyze different regions: the Southern Cone, Andes, Amazon basin, Caribbean, Central America, Mexico and Brazil; their peoples, histories, and interconnections as well as their relationships with the USA and the world at large.

Note: Conducted in English and Spanish, with a possible section in Portuguese.

[*Latin American Studies 98. Tutorial—Junior Year](#)

Catalog Number: 1224

José Rabasa (University of California, Berkeley) and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for juniors pursuing an honors track, culminating in the writing of a 20-25 page research paper in either Spanish or Portuguese.

Note: Successful completion of one term of Latin American Studies 98 (or equivalent) is required of all honors concentrators in their junior year.

[*Latin American Studies 99. Tutorial—Senior Year](#)

Catalog Number: 7959

José Rabasa (University of California, Berkeley) and members of the Department



Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of two terms of Latin American Studies 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Latin American Studies.

Cross-listed Courses

For Undergraduates and Graduates

Portuguese

Placement: The term “placement score” or “placement test” below and in the various course descriptions refers to the Portuguese placement test given during Freshman Week for freshmen, and usually on Registration Day for returning students.

Portuguese

Primarily for Undergraduates

Portuguese A. Beginning Portuguese

Catalog Number: 7130

Clémence Jouët-Pastré and members of the Department

Full course (indivisible). M., W., F., at 12. EXAM GROUP: 5

Designed to introduce the student with little or no knowledge of the language to the Portuguese-speaking world. Teaches fundamental communication skills—understanding, speaking, reading, and writing—and, at the same time, provides exposure to the culture and civilization of Brazil and Portugal through media broadcasts, literature readings, films, music, and videotapes. By the end of the course, students should be able to communicate easily with native speakers as well as be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese A website.

Portuguese Ac. Beginning Portuguese for Spanish Speakers

Catalog Number: 0430

Clémence Jouët-Pastré and members of the Department

Half course (fall term). M., W., F., at 12 or 1. EXAM GROUP: 5

An introductory language course designed for Spanish-English bilinguals. Along with the fundamental communication skills—understanding, speaking, reading and writing—the course will focus on those features of Portuguese which are most difficult for Spanish speakers: pronunciation, idioms and grammatical structures particular to Portuguese. Students will be introduced to the cultures of the Portuguese-speaking world through readings and authentic materials, including films, music, and videotapes.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Open to Spanish-English bilinguals. Not open to auditors. Section on-line on the Portuguese Ac website.



Prerequisite: 750 on the Spanish SAT II or the Harvard Placement test; 5 on the Spanish AP test; or a 40s level Spanish course.

Portuguese Ad. Beginning Portuguese for Spanish Speakers

Catalog Number: 1315

Clémence Jouët-Pastré and members of the Department

Half course (spring term). M., W., F., at 12 or 1. EXAM GROUP: 5

A continuation of Portuguese Ac. By the end of the second term, students should be able to communicate easily with native speakers and be acquainted with basic elements of Luso-Brazilian culture.

Note: Conducted in Portuguese. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese Ad website.

Prerequisite: Portuguese Ac.

Portuguese Ba. Introduction to Portuguese

Catalog Number: 0514

Clémence Jouët-Pastré and members of the Department

Half course (spring term). Section I, M., W., 3-5; Section II, Tu., Th., 3-5. EXAM GROUP: 8, 9

A basic introductory course for students who can devote only one term to the study of Portuguese. Teaches fundamental communication skills—understanding, speaking, reading and writing—but does not offer a complete study of grammar.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Not open to auditors. Section on-line on the Portuguese Ba website.

Portuguese Ca. Intermediate Portuguese I

Catalog Number: 7692

Clémence Jouët-Pastré and members of the Department

Half course (fall term). Section I, M., W., 2-3:30; Section II, Tu., Th., 11:30-1. EXAM GROUP: 7, 8

A beginning intermediate course for students interested in expanding and strengthening their basic Portuguese linguistic skills. Reading, writing, and conversational competency is emphasized through the study of the Luso-African-Brazilian cultures. The course aims to promote cross-cultural understanding through the use of authentic materials such as literary texts, multimedia, film, music, and videotapes.

Note: Conducted in Portuguese. Recommended for students who wish to improve their ability to speak and write Portuguese. May not be taken Pass/Fail. Section on-line on the Portuguese Ca website.

Prerequisite: Portuguese A or permission of course head.

Portuguese Cb. Intermediate Portuguese II

Catalog Number: 2799

Clémence Jouët-Pastré and members of the Department

Half course (spring term). Section I: Tu., Th., 11:30-1; Section II: Tu., Th., 5:30-7 p.m. EXAM GROUP: 13, 14

Aims to further develop the four communicative skills while expanding students' background knowledge of the history and cultures of the Portuguese-speaking world. Portuguese Cb covers



the important grammar points not studied in Portuguese Ca.

Note: Conducted in Portuguese. May not be taken Pass/Fail. Section on-line on the Portuguese Cb website.

Prerequisite: Portuguese Ca or permission of course head.

Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media

Catalog Number: 5024

Clémence Jouët-Pastré

Half course (fall term). Section I, M., W., 2:30-4; Section II, Tu., Th., 11:30-1. EXAM GROUP: 7, 8

Students engage in systematic grammar review, along with practice in writing and vocabulary enrichment, while examining contemporary Brazil as presented in the Portuguese-language press, television, literature, and film. They analyze the ways Brazilians and non-Brazilians construct different and conflicting images of Brazil and “Brazilness.” Issues of race relations, national identity, ethnicity, and gender addressed. Discussions based on historical and literary texts, advertisements, films, videotapes of Brazilian television, and current issues of newspapers and magazines.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students.

Prerequisite: Portuguese Ca/Cb or permission of course head.

Portuguese 44 (formerly Portuguese 38). Images of Brazil: Contemporary Brazilian Cinema

Catalog Number: 8893

Clémence Jouët-Pastré

Half course (spring term). M., W., 2:30-4. EXAM GROUP: 7, 8

Examines major Brazilian films in their historical, political, and social context. Class discussion also focuses on documentaries, reviews, and critical articles. In-depth textual and grammatical analysis, vocabulary building, reflections on the similarities and differences of the oral and written Portuguese will lead students to achieve a high level of competency.

Note: Conducted in Portuguese. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the Portuguese 44 website.

Prerequisite: Portuguese Ca/Cb or permission of course head.

Portuguese 60. Portuguese and the Community

Catalog Number: 3322

Clémence Jouët-Pastré and members of the Department

Half course (fall term). Tu., Th., 11:30-1, and four hours of activity-based learning per week.

EXAM GROUP: 13, 14

An advanced language course examining the Luso-African-Brazilian experience in the US. Promotes community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with Boston-area community organizations and agencies. Class work focuses on readings and films by and about Luso-African-Brazilians and specific uses of Portuguese language from these communities. Authors include D. Macedo, Braga Martes, Margolis, Sales, Albues, and Villas Boas.



Note: Section on-line on the Portuguese 60 website.

Prerequisite: Portuguese 37, 38 or a score of 100 on the Harvard Placement Test.

***Portuguese 91r. Supervised Reading and Research**

Catalog Number: 5589

Clémence Jouët-Pastré and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced reading in topics not covered in regular courses.

Note: Limited to juniors and seniors.

***Portuguese 97. Tutorial — Sophomore Year**

Catalog Number: 5769

Clémence Jouët-Pastré and members of the Department

Half course (spring term). F., 1-3 and an hour to be arranged. EXAM GROUP: 6, 7

Successful completion of one term of Portuguese 97 is required of all concentrators in their sophomore year.

***Portuguese 98. Tutorial — Junior Year**

Catalog Number: 8667

Clémence Jouët-Pastré and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Successful completion of one term of Portuguese 98r is required of all honors concentrators. To enroll see course head.

***Portuguese 99. Tutorial — Senior Year**

Catalog Number: 8753

Clémence Jouët-Pastré and members of the Department

Full course. Hours to be arranged.

For honors seniors writing a thesis. Successful completion of one term of Portuguese 99 is required of all honors concentrators. To enroll, see course head.

For Undergraduates and Graduates

[Portuguese 118 (formerly Portuguese 219ar). Major Poems of the Portuguese Language I]

Catalog Number: 2192

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A study of major lyrical texts of the Portuguese language, from medieval times to the present, with emphasis on poetry written in Portugal and Brazil after 1900. The approach is comparative, focusing on the formal aspects of poetry (meter, rhyme, rhythm).

Note: Expected to be given in 2010–11. Conducted in Portuguese.

[Portuguese 119 (formerly Portuguese 219br). Major Poems of the Portuguese Language II]

Catalog Number: 3242

Joaquim-Francisco Coelho



Half course (spring term). Hours to be arranged.

A continuation of Portuguese 118.

Note: Expected to be given in 2010–11. Conducted in Portuguese.

Portuguese 122a. Introduction to the Literature of Portugal I

Catalog Number: 2943

Joaquim-Francisco Coelho

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The main currents of Portuguese literature. Emphasis on major authors, literary schools, and socio-aesthetic ideas from Gil Vicente and Camões to Eça de Queiroz, Fernando Pessoa, Jorge de Sena and José Saramago. Aims to teach students to read Portuguese texts and to think and write about them in a broad Western European context.

Note: Conducted in Portuguese and English, according to class composition.

Prerequisite: Excellent reading knowledge of Portuguese required.

Portuguese 122b. Introduction to the Literature of Portugal II

Catalog Number: 9754

Joaquim-Francisco Coelho

Half course (spring term). M. 3-5. EXAM GROUP: 8, 9

A continuation of Portuguese 122a.

Note: Conducted in Portuguese and English, according to class composition.

Prerequisite: Excellent reading knowledge of Portuguese.

[Portuguese 133a. The History of the Short Story in Portugal and Brazil]

Catalog Number: 4881

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A history of the shapes and intentions of the short story in the literatures of Portugal and Brazil, from early medieval tales to the present. Emphasis given to modern narratives. Among authors include: Eça de Queirós, Machado de Assis, Mário de Andrade, Clarice Lispector, Almada Negreiros, and Jorge de Sena.

Note: Expected to be given in 2010–11.

[Portuguese 133b. The History of the Short Story in Portugal and Brazil, II]

Catalog Number: 5672

Joaquim-Francisco Coelho

Half course (spring term). Hours to be arranged.

A continuation of Portuguese 133a.

Note: Expected to be given in 2010–11.

[Portuguese 139. Sonnets and Sonneteers of the Portuguese Language]

Catalog Number: 7381

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

A historical survey of the theory and practice of the sonnet in the literature of the Portuguese language, from the Renaissance to the end of the 20th century. Portuguese and Brazilian authors



include, among others, Camões, Sá de Miranda, Bocage, Antero de Quental, Fernando Pessoa, Carlos Drummond de Andrade, Mário Quintana, Ledo Ivo, David, Mourão-Ferreira, Sophia de Melo Breyner Andresen, Alexandre O'Neill, and Jorge de Sena.

Note: Expected to be given in 2010–11.

[Portuguese 141. The Short Stories of Machado de Assis]

Catalog Number: 8700

Joaquim-Francisco Coelho

Half course (fall term). Hours to be arranged.

Analyzes Machado's short stories in chronological order of composition, emphasizing their social content, the idiosyncratic behavior of their characters, and the author's use of language to convey the ambiguities of human nature.

Note: Expected to be given in 2011–12. Conducted in Portuguese and English.

[Portuguese 151 (formerly Portuguese 251). Culture in Turmoil: Brazil in the 50s, 60s and 70s]

Catalog Number: 7461

Nicolau Sevcenko

Half course (spring term). Hours to be arranged.

Discusses some creative and exciting trends in modern Brazilian culture that arose in resistance to military dictatorship: Tropicalismo, Concretismo and Neo-Concretismo, MPB, Cinema Novo, Teatro de Arena and Literatura Marginal.

Note: Expected to be given in 2010–11. Conducted in Portuguese. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

[Portuguese 165. The Rise and Fall of Nationalism in Brazil]

Catalog Number: 4830

Nicolau Sevcenko

Half course (fall term). Hours to be arranged.

Since the times of Independence in 1822, nationalism was a rising trend in Brazilian culture. Its climax came with Modernism in the 1920s, the Vargas dictatorship in the 1930s and the building up of Brasilia in the 1950/60s. After that, new trends in globalization started casting Brazilian culture in new, more challenging and problematic directions.

Note: Expected to be given in 2010–11. Conducted in Portuguese.

Portuguese 166. Literature, History and Subjectivity: from Machado de Assis to Clarice Lispector - (New Course)

Catalog Number: 42362

Nicolau Sevcenko

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

A comprehensive analysis of 20th century Brazilian literary and poetic development, studied within the context of the country's historical dilemmas, social contrasts, economic growth and cultural ebullience.

Note: Especially for undergraduates. Conducted in Portuguese.



[Portuguese 171. A Poetic of the Senses: The Brazilian Experience]

Catalog Number: 9449

Nicolau Sevcenko

Half course (fall term). Hours to be arranged.

The prevalence of popular baroque as one of the main sources of Brazilian culture in general puts a stress on the sensorial, the performative, the rhythmic and the sensual as preponderant elements of artistic creativity. Aims to explore this poetic of the senses in different dimensions: literature, poetry, music, dance, theatre, visual arts, film, architecture and urban design.

Note: Expected to be given in 2010–11. Conducted in Portuguese.

Portuguese 172. Culture and Popular Culture: clashes of times, territories, languages and imaginations - (New Course)

Catalog Number: 72576

Nicolau Sevcenko

Half course (spring term). W., 5–7 p.m. EXAM GROUP: 9

Studies the richness and peculiarities of Brazilian popular culture, resonant of mythical and symbolical contents brought from ancient and medieval times, as well as its convergences, frictions, clashes and subversions of mainstream Brazilian culture.

Note: Especially for undergraduates. Conducted in Portuguese.

Portuguese 190. The Brazilian Amazon in the Age of Globalization - (New Course)

Catalog Number: 53592

Jean-Philippe Belleau

Half course (spring term). Th., 5–7 p.m. EXAM GROUP: 18

An interdisciplinary course divided into three parts: following an overview of the history and ecology of the Amazon Basin, we then focus on indigenous societies, and finally, we deconstruct popular representations of indigenous peoples (as primitive, noble, or environmentalist).

Throughout the seminar, we examine how indigenous peoples have used and mobilized these images, even the negative ones, to their benefits and how the relation between Amazonian Indians and their representations have become dynamic.

Note: Taught in English.

Cross-listed courses

Linguistics 110. Introduction to Linguistics

Primarily for Graduates

Portuguese 222. Introduction to Camões - (New Course)

Catalog Number: 27255

Joaquim-Francisco Coelho

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Study of the epic and lyric poetry of Camões in the context of the European Renaissance. Special attention given to the love sonnets and to the lyrical passages of *The Lusiads*.

Note: Conducted in Portuguese.



[Portuguese 245. Fixed Minds and Fluid Moods: Aesthetic Configurations in the Tropics]

Catalog Number: 4999

Nicolau Sevcenko

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11. Conducted in Portuguese.

Portuguese 250. Marginal, Underground and Eccentric: an aesthetics of subversion - (New Course)

Catalog Number: 57469

Nicolau Sevcenko

Half course (fall term). W., 5–7 p.m. EXAM GROUP: 9

Studies some lesser-known but quintessentially important writers, artists, dramatists and filmmakers who dissented, deviated from or confronted the cultural mainstream, thus helping to define the singularity of cutting-edge contemporary Brazilian culture.

Note: Especially for graduates, conducted in Portuguese.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Portuguese 320. Supervised Reading and Research in Iberian Literature**

Catalog Number: 6733

Joaquim-Francisco Coelho 7715

Half course (spring term). W., 3–5.

Note: Subject and hours to be determined and arranged with students.

***Portuguese 321. Literature of Brazil: Supervised Reading and Research**

Catalog Number: 5933

Joaquim-Francisco Coelho 7715 and Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only)

***Portuguese 330. Direction of Doctoral Dissertations**

Catalog Number: 4072

Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091 (on leave 2009-10), Mary M. Gaylord 2632, Nicolau Sevcenko 5229, and Doris Sommer 2744 (on leave 2009-10)

Romance Languages

See also courses in Linguistics.

Romance Languages

Primarily for Graduates



Cross-listed Courses

Linguistics 200. Second Language Acquisition

Graduate Courses of Reading and Research

[*Romance Languages 300. Seminar for Dissertation Writing in the Romance Literatures]

Catalog Number: 9758

Mary M. Gaylord 2632

Half course (fall term; repeated spring term). Bi-weekly meetings: Hours to be arranged. EXAM GROUP: Spring: 9

Addresses prospectus preparation; scope, chapter organization, audience; politics and ethics of critical writing (acknowledgement, quotation, controversy); publishing (conference/job talks, articles, book). Biweekly meetings use readings, discussion, workshopping, guest lectures to focus on practical concerns.

Note: Expected to be given in 2010–11.

Prerequisite: Completion or imminent completion of PhD general examinations.

Romance Studies

Romance Studies

Primarily for Undergraduates

Romance Studies 79. Romance Languages and Cultures in Comparative Perspective

Catalog Number: 8713

Elvira G. DiFabio and members of the Department

Half course (spring term). M., W., 1–3. EXAM GROUP: 6, 7

Highlights of the similarities and differences among the Romance languages, beginning with an overview of the historical development of the Romance languages from Latin, and moving on to the comparison of linguistic identifiers of French, Italian, Portuguese, and Spanish; may also include a discussion of Catalan. Topics will cover comparative phonology, morphology, and syntax, as well as some cross-cultural experiences such as immigration and translation.

Note: Conducted in English; texts in original and in translation. May not be taken by RLL graduate students to fulfill the history of the language requirement.

Prerequisite: Advanced proficiency in one of the Romance Languages, or permission of the faculty committee.

***Romance Studies 91r. Supervised Reading and Research**

Catalog Number: 8210

Mary M. Gaylord and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.



***Romance Studies 97. Tutorial—Sophomore Year**

Catalog Number: 1994

Mary M. Gaylord and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual tutorial supervision designed to introduce sophomores to conducting research in the field of Romance Studies.

Note: Language of instruction to be decided upon by student in consultation with the Undergraduate Adviser in Romance Studies. Successful completion of one term of Romance Studies 97 (or equivalent) is required of all concentrators in their sophomore year.

***Romance Studies 98. Tutorial—Junior Year**

Catalog Number: 5203

Mary M. Gaylord and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for juniors pursuing an honors track, culminating in the writing of a 20-25 page research paper in a Romance language.

Note: Successful completion of one term of Romance Studies 98 (or equivalent) is required of all honors concentrators in their junior year.

***Romance Studies 99. Tutorial—Senior Year**

Catalog Number: 1067

Mary M. Gaylord and members of the Department

Full course. Hours to be arranged.

Weekly individual instruction for students writing a senior thesis in Romance Studies.

Note: Successful completion of two terms of Romance Studies 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Romance Studies.

For Undergraduates and Graduates

[Romance Studies 120. Emergence of the Lyric Subject in Early Romance Poetry (12th to 16th Centuries)]

Catalog Number: 2216

Mary M. Gaylord and Virginie Greene

Half course (fall term). Hours to be arranged.

Subjectivity as it emerges in the rich traditions of Romance vernacular poetry, first in the Iberian Peninsula and Southern France, later in Northern France and Italy. Works studied include love songs, political poems, death laments, female-voiced poems, meta-poetry. Authors include Alfonso X, Guilhem de Peitieu, Contessa de Dia, Berceo, Rutebeuf, Petrarca, Christine de Pizan, Manrique, Encina, Villon, Gil Vicente, Ausias March, Garcilaso de la Vega, Labbé.

Note: Expected to be given in 2011–12. Conducted in English; texts in original and in translation.

Prerequisite: Reading knowledge of one Romance language.

Romance Studies 150. Reading the Reader in Italy and France: History, Theory, and Literary Practice 1800 to the Present - (New Course)

Catalog Number: 88806



Maria Grazia Lolla

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Implied or represented, cajoled or abused, cooperating or antagonizing the writer (when not replacing the writer altogether), the reader looms large in the writing of novelists, publishers and statesmen alike. We examine the representation of reading and readers in fiction and poetry, from the *fin-de-siècle* to the end of the millenium, and bring together the insights of historians of the book, literary critics and semiologists. Authors include Baudelaire, Flaubert, Tarchetti, Zola, Sue, Poe, De Marchi, Marinetti, Tozzi, and Calvino.

Note: Conducted in English. Some reading knowledge of French and Italian helpful but not essential.

[Romance Studies 170. Fictions of Marginality: Italian and Latin American Novel and Film in the Age of Globalization]

Catalog Number: 7076

Francesco Erspamer and Mariano Siskind

Half course (spring term). Hours to be arranged.

Contemporary Latin American and Italian writers share commonalities: they acknowledge their cultures as marginal, and as unable to compete on the global scene and in their own countries with the imaginaries mass-marketed by the English-speaking world. This narrative of loss and exclusion has inspired great novels and films, in which the desire for recognition is expressed through translation and re-writing, the invention of the past, the critique of traditional identities, the hope of social change.

Note: Expected to be given in 2010–11. Conducted in English.

[Romance Studies 189. The Culture of Antifascism]

Catalog Number: 3680

Francesco Erspamer

Half course (fall term). Hours to be arranged.

The purpose of this course is to show that antifascism has not just been a form of tactical resistance to historical fascisms but rather a vital intellectual and social movement in its own right, committed to fight against bigotry, racism, authoritarianism, and inequality. Readings will include Italian writers and thinkers of the first and second half of the 20th century, such as Gramsci, Silone, Emilio Lussu, Piero Gobetti, Carlo Rosselli, Moravia, Vittorini, Pasolini.

Note: Expected to be given in 2010–11. Conducted in English.

Primarily for Graduates

Romance Studies 201. Approaches to Theory

Catalog Number: 0934

Christie McDonald and members of the Department

Half course (spring term). M., 4–6. EXAM GROUP: 9

Major topics in literary/cultural theory addressed by specialists in the Department. Emphasis on both theoretical canons and current disciplinary controversies. Topics include: formalism; semiotics; structuralism; post-structuralism; Marxism; psychoanalysis; deconstruction; cultural, post-colonial, feminist, and queer studies.

Note: Conducted in English.



[Romance Studies 202. Ethics and Aesthetics (Graduate Seminar in General Education)]

Catalog Number: 2167

Francesco Erspamer and Doris Sommer

Half course (fall term). Hours to be arranged.

Readings alternate between theory and literature/other arts to explore mutual relationships between the social conditions for art-making and art's effects. How do creative practices play into ethics? Does philosophy depend on counter-factual [fictional] imaginings? The seminar will design and develop a General Education course on these themes for undergraduates.

Note: Expected to be given in 2010–11. Conducted in English.

Spanish

All students who have taken Spanish in secondary school are required to take the Placement Test given during Freshman Week for freshmen and usually on Registration Day for returning students.

A grade of 5 in the College Board Advanced Placement Examinations in Spanish allows you to take Spanish courses numbered 40 to 90 or, if recommended, 100-level courses. All language courses are conducted in Spanish and include weekly writing assignments. For details, see the pamphlet *Advanced Standing at Harvard College* or apply to the Director of the Program of Advanced Standing.

[Spanish](#)

Primarily for Undergraduates

[Spanish Aa. Beginning Spanish I](#)

Catalog Number: 0507

Johanna Damgaard Liander and members of the Department

Half course (fall term; repeated spring term). Fall: M., through Th., at 9, 10, 11, 1 or 2. Spring: M., through Th., at 9 or 2. EXAM GROUP: 10

A basic beginning semester course for students with no previous study of Spanish. Emphasis on speaking, while developing all four language skills. Hispanic culture will be introduced throughout and computer, video and film materials will be used.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish Aa website. Students who have studied Spanish for two years or more in secondary school must begin at Spanish Ab or higher.

[Spanish Ab. Beginning Spanish II](#)

Catalog Number: 3328

Johanna Damgaard Liander and members of the Department

Half course (fall term; repeated spring term). M., through Th., 9, 10, 11, 1 or 2. EXAM GROUP: 10

For students with the equivalent of one semester previous study of Spanish. Emphasis on speaking, reading and writing while including Hispanic culture through contemporary texts and



using computer, video and film materials. After Spanish Aa and Ab, students should be able to engage in everyday conversation with native speakers, and read straightforward texts, both fiction and non-fiction, with relative ease.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish Ab website. Students who have studied Spanish for two years or more in secondary school must begin at Spanish Ab or higher. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared. Prerequisite: 450 on the SAT II test or on the Harvard Placement Test, Spanish Aa, or permission of course head.

***Spanish Acd (Formerly Spanish Bab). Intensive Beginning Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15.

Nina C. de W. Ingrao and members of the Department

Full course (fall term; repeated spring term). M., W., F., at 11, and required speaking practice M., W., F. at 12 and W. at 2. EXAM GROUP: 4

For students with no previous formal training in Spanish but with competence in at least one foreign language. Emphasis on communication skills. Language instruction supplemented by cultural and literary readings and film.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Interested students should contact Sra. Ingrao by e-mail at least one week prior to the first day of Fall semester classes for Fall term enrollment, and one week prior to the first day of Spring semester classes for Spring term enrollment. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared.

Spanish Ax. Reading Spanish

Catalog Number: 5318

Nina C. de W. Ingrao and members of the Department

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

For students (both undergraduate and graduate) with little or no knowledge of Spanish. Aims at the rapid development of reading skills as a tool for research.

Note: Not open to auditors. May not be used to fulfill the language requirement. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Conducted in English. No on-line sectioning for this course. Students interested in enrolling in the course should attend the first day of class.

Spanish C. Intermediate Spanish

Catalog Number: 5819

Adriana Gutiérrez and members of the Department

Half course (fall term; repeated spring term). Sections M., T., W., Th. at 9, 10, 11, or 1. EXAM GROUP: 2, 11

An intermediate language and culture class that aims to consolidate and expand the skills of listening comprehension, speaking, reading and writing in Spanish. Includes a comprehensive review of the grammar and reinforces linguistic acquisition through texts, movies, art and multi-media projects to acquaint students with cultural issues relevant to the Spanish-speaking world.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS



students. Section on-line on the Spanish C website. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared.

Prerequisite: Spanish A, Bab, 600 on the SAT II test or on the Harvard Placement Test, or permission of course head.

Spanish 30. Advanced Language Review through Literature and Culture, I

Catalog Number: 0479

Adriana Gutiérrez and members of the Department

Half course (fall term; repeated spring term). M., W., F. at 10, 11, or 1. EXAM GROUP: 3

Continues to reinforce the practice of oral and written communication in Spanish through topics in contemporary cultural materials from Spain and Latin America. Students will focus on improving accuracy, refining pronunciation and developing vocabulary. In addition to in-class discussions, course work involves grammar review and practice in writing. Consult course website for current semester topics.

Note: Conducted in Spanish. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Students may take no more than two courses numbered in the 30s. Section on-line on the Spanish 30 website. Upon the recommendation of the course head, students who have performed at a superior level in this course may enroll in any course for which they are linguistically prepared.

Prerequisite: 680 on the SAT II test or on the Harvard Placement Test, Spanish C, or permission of course head.

Spanish 40. Advanced Language Review through Literature and Culture, II

Catalog Number: 9393

Johanna Damgaard Liander and members of the Department

Half course (fall term; repeated spring term). Fall: M., W., F., at 10; 11; 1. Spring: M., W., F., at 10; 11; 1. EXAM GROUP: 3, 4

An advanced language and culture class that further develops linguistic competence using a region or regions of the Hispanic world as a focus for class discussion, grammar review, and an introduction to Hispanic social contexts and texts. Course materials may also include films, interviews, painting, photography, music, selections from the press, as well as literary or historical readings. Frequent written and oral assignments, and a thorough review of grammar.

Note: Consult course website for current semester topics. Conducted in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish 40 website.

Prerequisite: 720 on the SAT II test or on the Harvard Placement Test, AP 5, a Spanish 30-level course, or permission of course head.

Spanish 50. Writing and Performance

Catalog Number: 6794

Adriana Gutiérrez and members of the Department

Half course (fall term; repeated spring term). Fall and Spring: Section I, Tu., Th. 11:30-1; Section II, Tu., Th. 1-2:30. EXAM GROUP: 13, 14

An advanced language course designed to strengthen and develop competence in written expression. Close reading of texts in literary and non-literary genres will help students refine



personal style. The performance of short excerpts of plays, combined with advanced work on oral expression and phonetics, will help students increase their fluency and ease of expression. *Note:* Conducted in Spanish. Recommended for concentrators and joint concentrators. May not be taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. Section on-line on the Spanish 50 website.

Prerequisite: 750 on the SAT II test or on the Harvard Placement Test, a Spanish 40-level course, or permission of course head.

Spanish 60. Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and members of the Department

Half course (fall term; repeated spring term). Tu., Th., 10-11:30, and four hours of activities-based learning a week. EXAM GROUP: 12, 13

An advanced language course which examines the Latin American and Latino experience in the US, promoting community engagement as a vehicle for greater linguistic fluency and cultural understanding. Students will be placed with community organizations within the Boston area. Classwork focuses on readings and films by and about Latin Americans in the US and specific uses of Spanish in these communities. Authors include Ilán Stavans and Junot Díaz.

Note: Interested students must apply in writing *before* registration (fall term) and before Winter Recess (spring term) to Johanna Damgaard Liander.

Prerequisite: 750 on the SAT II test or on the Harvard Placement Test, Spanish 40 or permission of course head.

[Spanish 65. Bilingual Arts]

Catalog Number: 9315

Doris Sommer

Half course (spring term). Hours to be arranged.

For heritage speakers and advanced language students, Latino literature, in the forms of poetry, narrative, theater, and film, will be the focus of an in-depth review of grammar and style in Spanish, as well as the uses of Spanish alongside English language arts. A range of artists from Latin American origins will be featured, including those with ties to the Caribbean, Mexico, Central and South America.

Note: Expected to be given in 2010–11. Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: 700 on the SAT II test or on the Harvard Placement Test, Spanish 40 or permission of course head.

[Spanish 70a. Heroes, Rogues, Saints, Sinners: Archetypes of Spanish Literature]

Catalog Number: 1587

Mary M. Gaylord

Half course (fall term). Hours to be arranged.

Ruy Díaz de Vivar, "el Cid," and other Rodrigos; Santiago "Matamoros"; the bawd Celestina; picaresque Lazarillo de Tormes; conquistador Hernán Cortés; Don Quijote and Don Juan in the medieval and Early Modern texts and contexts which produced these enduring cultural icons. Emphasis on critical reading and writing.

Note: Expected to be given in 2010–11.



Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 70c. Documenting Spanish Modernity: A Survey of Spanish Literature and Culture from the 19th to the 21st Centuries

Catalog Number: 7713

Bradley S. Epps

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Drawing on literature, art, and film, this course offers an intensive introduction to the interplays of nationality and modernity in Spanish culture from the XIXth to the XXIst centuries, with special attention to debates on unity and diversity, regionalism and nationalism (Catalonia, Euskadi, Galicia, etc.), (post)-colonialism and immigration. Figures include Cadalso, Larra, Goya, Blanco White, Valera, Pardo Bazán, Gaudí, Unamuno, Carmen de Burgos, Rusiñol, Arana, García Lorca, Buñuel, Dalí, Berlanga, Erice, Almodóvar, Goytisolo, Tàpies.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50-level course in Spanish; or permission of course head.

Spanish 71a. Continuity and Discontinuity in Colonial Latin America

Catalog Number: 4319

José Rabasa (University of California, Berkeley)

Half course (fall term). M., W., (F.) at 11. EXAM GROUP: 4

An overview of literary and cultural production in the Americas before and after the Spanish invasion. Topics include pre-Columbian visual and verbal expressions; discovery, invention, conquest, and resistance; the historiography of the New World; native depictions of the colonial world.

Note: Conducted in Spanish. Required for concentrators in the Hispanic Studies track (as an alternative to Spanish 71b), and mandatory for concentrators in Latin American Studies.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

[Spanish 84. Poetry and Grammar; Language and the Making of Poems in Spanish]

Catalog Number: 8738

Mary M. Gaylord

Half course (spring term). Hours to be arranged.

What are poems made of? Although meter, versification, and diction are the raw materials considered most proper to poetry, poets have long known that grammatical forms and syntax provide indispensable building blocks for verse composition. Reading major poets--classical and modern, Spanish and Latin American--we will explore what a focus on grammar suggests about poetic craft and what focus on poems as grammatical structures reveals about the making of meaning in Spanish.

Note: Expected to be given in 2010–11. Expected to be given in 2009-10. Conducted in Spanish.

Prerequisite: Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.



Spanish 90h. Allegories of Identity in Latin American Literature - (New Course)

Catalog Number: 27587

Norman A. Valencia

Half course (fall term). M., W., (F.) at 12. EXAM GROUP: 5

In many Latin American texts, the topic of identity appears with a strong sense of urgency. We consider the main trends of Latin America's search for its own distinctive character, and the role of literature in this specific quest. Emphasis on the literary construction and performance of national, cultural, gender and racial identities. Readings by Martí, Darío, Agustini, Rodó, Borges, Castellanos, Carpentier, García Márquez, Fuguet and Aira.

Note: Conducted in Spanish.

Spanish 90j. La juventud latinoamericana en el cine y la literatura - (New Course)

Catalog Number: 43485

Maria Ospina

Half course (spring term). Tu., 1-3, and an additional hour to be arranged.

An exploration of Latin American literature and film about childhood and youth in the 20th and 21st century. Youth, a fundamental concept for political projects also serves as the focus of a wide array of social issues: crime, poverty, political repression, sexism, racism, and marginalization. How do texts about growing up in Latin America reflect on the social and on the place of the subject in the region?

***Spanish 91r. Supervised Reading and Research**

Catalog Number: 1586

Johanna Damgaard Liander and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Spanish 97. Tutorial—Sophomore Year**

Catalog Number: 2315

José Rabasa (University of California, Berkeley)

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Literary/Cultural Studies: What are the intersections between literary and cultural studies? Are these two fields defined by different objects of study or do they differ in their distinct approaches and methods? What are their differences and points of contact? Do literary tropes provide a key for examining cultural objects? Requirements include short weekly papers and regular participation in class discussions.

Note: Conducted in Spanish. Required for all concentrators in their sophomore year, but open to others.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

***Spanish 98. Tutorial—Junior Year**

Catalog Number: 5511

Johanna Damgaard Liander and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for juniors pursuing an honors track, culminating in the writing of



a 20-25 page research paper in Spanish.

Note: Successful completion of one term of Spanish 98 (or equivalent) is required of all honors concentrators in their junior year.

***Spanish 99. Tutorial—Senior Year**

Catalog Number: 5867

Johanna Damgaard Liander and members of the Department

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of two terms of Spanish 99 is required of all honors concentrators. To enroll, see the Undergraduate Adviser in Spanish.

Cross-listed Courses

[Aesthetic and Interpretive Understanding 13 (formerly Spanish 180). Cultural Agents]

For Undergraduates and Graduates

Open to students with 750 on the Harvard Placement Test or SAT II, a score of 5 on the Advanced Placement Test in language or literature, previous coursework at Harvard of an appropriate level, or permission of course head. For other related courses, see also Latin American Studies and Romance Studies.

[Spanish 110. Hispanic Literature: The Middle Ages]

Catalog Number: 9402

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Introduction to the study of premodern Spanish literature from its origins through the 15th century. Close reading of representative works framed in historical context: *Cantar de Mío Cid*, *Milagros de Nuestra Señora*, *Libro de buen amor*, *Conde Lucanor*, *Laberinto de Fortuna*, *Coplas a la muerte de de su padre*, *Cárcel de amor* and *La Celestina*. Attention to critical approaches and themes in medieval literary studies (e.g. orality and poetics, historicism, folklore and narratology).

Note: Expected to be given in 2010–11. Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Spanish 124. Cervantes: Don Quixote

Catalog Number: 1378

Mary M. Gaylord

Half course (fall term). Th., at 1, Tu., 1–3; Th., at 1. EXAM GROUP: 15, 16

Cervantes' masterpiece as imaginative response to developments in European literature and aesthetic theory, the conflicted politics of race and religion, 16th-century historiography (serious and burlesque) and the discursive practices of imperial Spain. Close reading of *Don Quijote* in relation to its models, reception history and contemporary criticism and theory.

Note: Conducted in Spanish. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.



Spanish 129. Playing the Spaniard: The Politics and Poetics of Identity in Early Modern Spanish Theatre - (New Course)

Catalog Number: 90261

Mary M. Gaylord

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

What does it mean to be a Spaniard in 1600? How does one act the part? Is acting the same as being? Using history, myth, legend, and Spain's poetic traditions, playwrights mirror familiar roles, but reshape them and fashion new ones for a changing society in an expanding world. Signature *Comedia* themes - honor, decorum, virginity, masculinity — examined in plays by Cervantes, Lope, Alarcón, Tirso, Calderón, through modern theories of language, performance, identity, community.

Note: Conducted in Spanish.

Spanish 134. Tracing Voice in Nahuatl Poetry and Painting

Catalog Number: 7452

José Rabasa (University of California, Berkeley)

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Nahuatl textuality in poetry and painting. Examines interrelation between alphabetical writing, pictography, and orality; the (ethno)poetics of Nahuatl verbal and pictorial texts. Offers an introduction to Nahuatl language through James Lockhart's *Nahuatl as Written*.

Note: Conducted in Spanish.

Spanish 139. Trazar y tramar: La selva en la narrativa latinoamericana - (New Course)

Catalog Number: 58592

Maria Ospina

Half course (fall term). M., 3-5 and an additional hour to be arranged. EXAM GROUP: 8, 9

An exploration of the place of the jungle in Latin American culture focusing on the ways it has been plotted by fiction, films and testimonies from the early 20th century to today, as a topos where diverse anxieties about sovereignty, nationhood, race, development, gender, subversion and alterity collide. How is the jungle mapped to produce an aesthetics from the margins? How is it represented in times of global angst over the environment and its destruction?

Note: Conducted in Spanish.

[Spanish 152. Magical Realism and Its Discontent: Latin American Novels That Didn't Boom]

Catalog Number: 0215

Mariano Siskind

Half course (fall term). Hours to be arranged.

Before and after the "boom," Carpentier and García Márquez found a narrative form to express Latin America's aesthetic particularity in magic and marvel. Since the publication of *Cien años de soledad*, its remarkable impact generated all sorts of experimental responses attempting to work through Latin American social reality in very different ways. We read novels by Carpentier, García Márquez, Rulfo, Asturias, Uslar Pietri, Onetti, Saer, Cabrera Infante, Glantz, Bolaño, Fuguet, Bellatín, Buarque, and Aira.

Note: Expected to be given in 2010–11. Conducted in Spanish.



[Spanish 154. Travel Literature and Modernity in the 19th Century]

Catalog Number: 9121

Mariano Siskind

Half course (spring term). Hours to be arranged.

During the second half of the 19th century Latin American intellectuals had to think of ways in which the culture of the region could participate of the processes of globalization of modernity, and the experience of travel lend itself as one of the most appealing sources for these imaginations. We will read narratives of travel in the Americas, and to Europe, the countryside and the Far East by Sarmiento, Gertrudis Gómez de Avellaneda, Flora Tristán, Juana M. Gorriti, Estanislao del Campo, Martí, Darío, Nervo, Groussac, Ugarte, Tablada and Gómez Carrillo.

Note: Expected to be given in 2010–11. Conducted in Spanish.

Spanish 157. "Civilization and Barbarism" and its Discontents - (New Course)

Catalog Number: 94216

Norman A. Valencia

Half course (spring term). M., 1-3 and an additional discussion hour to be arranged.

"Civilization and Barbarism" is a defining binary dualism in Latin America, one that we will both study and challenge. We examine the theoretical foundations of these concepts, and their relationship to the continent's problematic modernization. Finally, we consider the contemporary emergence of "new barbarians" in cities like Buenos Aires, México D.F. and Rio de Janeiro. Readings include Montaigne, Freud, Sarmiento, da Cunha, Gallegos, Fonseca, and Aira. Films by Meirelles and González Iñárritu.

Note: Conducted in Spanish.

Spanish 159. Escrituras de la crisis: Violencia y narrativa en la Latinoamérica contemporánea - (New Course)

Catalog Number: 73699

Maria Ospina

Half course (spring term). M., 3-5 with an extra hour to be arranged. EXAM GROUP: 8, 9

How have Latin American literature and film of the past three decades articulated the many forms of violence in a region facing complex social conflicts, wars deployed around the drug trade, and diverse forms of political unrest? We will investigate how contemporary texts reflect on linguistic, ethical and social dimensions of subjectivity in times of crisis and provide productive analytical frameworks to examine violence, history and memory in the region.

Note: Conducted in Spanish.

Spanish 168. Madness, Transgression, and Anomaly in Latin American Literature / Locura, transgresión y anomalía en la literatura latinoamericana - (New Course)

Catalog Number: 24882

Gonzalo M. Aguilar

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

Este curso tiene como objetivo explorar el modo en que la escritura literaria se ha vinculado con aquello que se desvía de la norma y que puede ser pensado como "locura", "transgresión" o "anomalía". A partir de estos conceptos se estudiarán textos narrativos de escritores del Cono Sur como Ricardo Piglia, Diamela Eltit, Clarice Lispector, Guimarães Rosa y Roberto Bolaño, entre



otros.

Note: Conducted in Spanish.

[Spanish 172. Barcelona and Modernity]

Catalog Number: 4211

Bradley S. Epps

Half course (spring term). Hours to be arranged.

Examines the construction, expansion, and transformation of Barcelona as cultural capital of Catalonia and as site of political and aesthetic experimentation from the mid-19th century to the present. Drawing on literature, criticism, visual arts, architecture, urban planning, film, and music, we explore national identity, nationalism, and language; bilingualism and multiculturalism; and the relations between art and economics, political conformity and resistance.

Note: Expected to be given in 2010–11. Conducted in Spanish; papers in Spanish, English, or Catalan. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures.

Spanish 183. Names of the Father in Latin American Literature: Paternalism, Politics and Literary Form - (New Course)

Catalog Number: 42694

Norman A. Valencia

Half course (spring term). Tu., 3-5 and a weekly section to be arranged. EXAM GROUP: 17, 18

The story of the search for a father has often represented the quest for a personal or cultural identity. This course considers the fate of this narrative in Latin America. We focus on the father as a symbol of the continent's main political anxieties, including the constant return of authoritarian leaders, and the turmoil they leave behind in their absence. Readings include Machiavelli, Hobbes, Freud, las Casas, Bolívar, Rulfo, Guimarães Rosa, and García Márquez.

[Spanish 191. Jorge Luis Borges and Julio Cortázar]

Catalog Number: 5420

Diana Sorensen

Half course (fall term). Hours to be arranged.

A course devoted to their major writings and to the ways in which they have established productive dialogues with critical theory and with other literary traditions.

Note: Expected to be given in 2010–11. Conducted in Spanish. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

Cross-listed Courses

History of Art and Architecture 197g. Colonial Art

[Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages]

Primarily for Graduates



Spanish 201. Historia de la lengua española

Catalog Number: 5610

Luis M. Girón Negrón

Half course (spring term). (F.), at 10, W., 1–3. EXAM GROUP: 3, 6, 7

Introducción a la historia de la lengua española desde sus orígenes hasta el presente. Escarceos en lingüística histórica en el marco de la historia literaria y el estudio comparado de la lenguas románicas. Acercamiento interdisciplinario.

Note: Conducted in Spanish.

Spanish 218. Colonial/Postcolonial Studies

Catalog Number: 8907

José Rabasa (University of California, Berkeley)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Is there a history of voice? What is the nature of the materiality of voice recorded by mimetic apparatuses (gramophones, alphabet, iconic scripts, film)? Particular attention will be placed on objects from the indigenous Americas.

Note: Conducted in Spanish.

[Spanish 220. Jews and Judaism in Medieval Spanish]

Catalog Number: 8455

Luis M. Girón Negrón

Half course (spring term). Hours to be arranged.

Explores the formative role of Judaism in the literary history of Old Spanish in three areas: Jews as literary characters; Spanish works by medieval Jewish authors; Jewish themes and influences on Hispano-Christian writers.

Note: Expected to be given in 2010–11. Conducted in Spanish.

[Spanish 243. Foundational Fiction and Film]

Catalog Number: 3129

Doris Sommer

Half course (fall term). Hours to be arranged.

Through novels that helped to consolidate nation-states in Latin America, explores modernity as personal and public lessons in laissez-faire. Sequels in film, telenovelas, performances show tenacity of genre. Links between creativity and citizenship. Theorists include Anderson, Foucault, Arendt, Lukacs, Flaubert.

Note: Expected to be given in 2010–11. Conducted in Spanish.

[Spanish 261. The Return of World Literature: Placing Latin America, Debating Universalism]

Catalog Number: 8328

Mariano Siskind

Half course (spring term). Hours to be arranged.

With Moretti and Casanova, world literature has made a comeback, but is there room for Latin America in its renewed theory? We read Goethe, Hegel, Marx, Bourdieu, Jameson, Schwarz and Latin American fiction and essays.

Note: Expected to be given in 2010–11. Conducted in Spanish.



Spanish 262. História pública y privada en la novela latinoamericana - (New Course)

Catalog Number: 49686

Sergio Ramírez

Half course (fall term). Th., 3–5.

Historia pública y privada en *La muerte de Artemio Cruz*, Carlos Fuentes; *Santa Evita*, Tomás Eloy Martínez; *Palacio Quemado*, Edmundo Paz Soldán; *Abril Rojo*, Santiago Roncagliolo; *Historia Secreta de Costaguana*, Juan Gabriel Vásquez.

Spanish 268. Latin American Cinema and the Question of Poverty / El Cine Latinoamericano y la cuestión de la pobreza - (New Course)

Catalog Number: 91511

Gonzalo M. Aguilar

Half course (fall term). M., 1–3.

El seminario se propone recorrer en diferentes films el modo en que la pobreza ha sido tratada ya sea desde el plano teórico, desde la producción o desde la representación de los sectores populares.

Note: Conducted in Spanish.

Spanish 275r. Spanish Literature: Seminar

Catalog Number: 8942

Mary M. Gaylord

Half course (spring term). W., 3–5.

Topic for 2009-2010: The Human Comedy According to The Other Cervantes. Studying less commonly-read works, we explore the range of Cervantes' comic vision in verse, drama, and narrative fiction, emphasizing technical, metaliterary, and political aspects of his reinvention of inherited genres.

Note: Conducted in Spanish.

[Spanish 277. Africa in the Modern Spanish Imaginary]

Catalog Number: 4373

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the variegated relations between Spain and its "forgotten" colonial endeavors in Morocco, Western Sahara, and Equatorial Guinea as represented in novels, political essays, film. Authors/artists: Cadalso, Alarcón, Fortuny, Pérez Galdós, Unamuno, Azorín, Carmen de Burgos, Sender, Franco, Juan Goytisolo, Donato Ndongo, others.

Note: Expected to be given in 2010–11.

[Spanish 281r. Seminar: Major Critical Issues of 16th- and 17th-Century Spanish Literature]

Catalog Number: 9785

Mary M. Gaylord

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11. Conducted in Spanish.



[Spanish 285cr. Spanish Literature: Seminar]

Catalog Number: 1104

Luis Fernández-Cifuentes

Half course (fall term). Hours to be arranged.

Topic for 2010-2011: To be announced.

Note: Expected to be given in 2010–11. Conducted in Spanish.

Spanish 287r. Spanish Literature: Seminar

Catalog Number: 4779

Bradley S. Epps

Half course (spring term). Th., 2–5.

Topic for 2009-2010: The Ethics of Representation: Modern Spanish Narrative. Examines the relations between aesthetic autonomy and social responsibility, national identity and colonial power, in Baroja, Valle-Inclán, Català, García Lorca, Cela, Sánchez Ferlosio, Martín Santos, Rodoreda, Martín Gaité, Goytisolo, Benet, Millás, and Ndonga.

Note: Conducted entirely in Spanish.

Cross-Listed Courses

[Comparative Literature 210. The Politics of Writing: From Historical Novel to Historiographic Metafiction]

[*Comparative Literature 211. Mysticism and Literature: Seminar]

Comparative Literature 252. The Literatures of Medieval Iberia: Approaches and Debates in their Comparative Study - (New Course)

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Spanish 320. Spanish and Hispanic-American Literature: Supervised Reading and Research**

Catalog Number: 5764

Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091 (on leave 2009-10), Mary M. Gaylord 2632, Luis M. Girón Negrón 3060, José Rabasa (University of California, Berkeley) 5844, Mariano Siskind 5530 (on leave 2009-10), Doris Sommer 2744 (on leave 2009-10), and Diana Sorensen 4214

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143

Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091 (on leave 2009-10), Mary M. Gaylord 2632, Luis M. Girón Negrón 3060, Francisco Márquez Villanueva 5064, José Rabasa (University of California, Berkeley) 5844, Mariano Siskind 5530 (on leave 2009-10), Doris Sommer 2744 (on leave 2009-10), and Diana Sorensen 4214



Russia, Eastern Europe, and Central Asia

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies— Russia, Eastern Europe, and Central Asia

Terry D. Martin, George F. Baker III Professor of Russian Studies (*Acting Chair, Director of Graduate Studies*)

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*Chair*) (*on leave 2009-10*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages

Grzegorz Ekiert, Professor of Government (*on leave 2009-10*)

Alison F. Frank, John L. Loeb Associate Professor of the Social Sciences

George G. Grabowicz, Dmytro Čyževs'kyj Professor of Ukrainian Literature

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures

Kelly A. O'Neill-Uzgiris, Assistant Professor of History

Serhii Plokhii, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

James R. Russell, Mashtots Professor of Armenian Studies (*on leave fall term*)

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature (*on leave 2009-10*)

Justin Weir, Professor of Slavic Languages and Literatures

This is a two-year interdisciplinary program leading to the AM degree. For details, see the supplement, “AM in Regional Studies—Russia, Eastern Europe, and Central Asia (REECA).”

The program aims to provide students with a firm grounding in the history, culture, language, politics, and economics of Russia, and of other countries of the former Soviet Union and Eastern Europe. Graduates typically enter careers in government service, international trade or finance, journalism, or consulting; some pursue further training in business, law, or academia.

The course of studies takes into account the previous background, as well as the professional needs and interests, of the individual student. In addition to offerings by the Faculty of Arts and Sciences, students may cross-register for courses at other schools of Harvard University, MIT, and the Fletcher School of Law and Diplomacy. Arrangements may be made for students interested in fields not usually represented in course offerings. Faculty may offer specialized seminars specifically for program students. Students who have completed basic program requirements may seek permission for individual research under faculty direction.

Below is a partial list of departments offering courses on Russian, East European, and Central Asian Studies:

Comparative Literature, Economics, Government, History, Near Eastern Languages and



Civilizations (for courses on Islamic civilization, as well as languages of Central Asia and the Caucasus), Slavic Languages and Literatures, Sociology, and Ukrainian Studies.

For more information on courses offered, please see individual departmental listings, or visit the REECA website at daviscenter.fas.harvard.edu/student—programs/masters.html

Primarily for Graduates

***Regional Studies — Russia, Eastern Europe, and Central Asia 299a. Master's Thesis Reading and Research**

Catalog Number: 3938 Enrollment: Limited to master's degree candidates in the REECA Program.

Terry D. Martin and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading, research, and writing to fulfill the thesis requirement in the master's degree program in Regional Studies—Russia, Eastern Europe, and Central Asia.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

***Regional Studies — Russia, Eastern Europe, and Central Asia 299b. Master's Thesis Reading and Research**

Catalog Number: 1931 Enrollment: Limited to master's degree candidates in the REECA Program.

Terry D. Martin and members of the Faculty

Half course (fall term; repeated spring term). Hours to be arranged.

A continuation of RSRA 299a.

Note: Master's degree candidates are required to complete both *RSRA 299a and *299b.

Normally, these courses are taken during the second year of graduate studies.

Sanskrit and Indian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sanskrit and Indian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*Chair*) (*Director of Undergraduate Studies*)

Ali S. Asani, Professor of Indo-Muslim and Islamic Religion and Cultures (*on leave fall term*)

Amy Bard, Lecturer on Sanskrit and Indian Studies

Richard S. Delacy, Preceptor in Urdu and Hindi



Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society
Naseem A. Hines, Preceptor in Urdu-Hindi
Guy Kendall Leavitt, Preceptor in Sanskrit and Indian Studies
Parimal G. Patil, John L. Loeb Associate Professor of the Humanities
Michael Witzel, Wales Professor of Sanskrit

Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology
(*Divinity School*)
Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)
Anne E. Monius, Professor of South Asian Religions (*Divinity School*)

Graduate students in the Faculty of Arts and Sciences may enroll in certain foreign language courses for the grade of Sat/UNS. Students should consult with course heads to determine if a course is offered on that basis. For further information and updates, please visit our website: www.fas.harvard.edu/~sanskrit/courses.html.

Indian Studies

Primarily for Undergraduates

***Indian Studies 90r. South Asian Language Tutorials**

Catalog Number: 0317

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Fall: 4

Individualized study of a South Asian language; emphasis on written expression, reading comprehension and oral fluency. Languages currently offered include Tamil and Bengali though others may be approved upon petition to the Director of Undergraduate Studies/Director of Graduate Studies.

Note: Not open to auditors.

***Indian Studies 91r. Supervised Reading and Research**

Catalog Number: 0247

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading leading to a long term paper in a topic or topics not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Indian Studies 98r. Tutorial — Junior Year**

Catalog Number: 4757

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.



***Indian Studies 99. Tutorial — Senior Year**

Catalog Number: 6111

Leonard W. J. van der Kuip and members of the Department

Full course. Hours to be arranged.

Note: Required of concentrators in the South Asian Studies option.

Cross-Listed Courses

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[Historical Study A-16. Modern South Asia in Global History]

Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists

[Moral Reasoning 80. The Good Life In Classical India]

For Undergraduates and Graduates

[Indian Studies 118. Indian Philosophy: Advanced Introduction]

Catalog Number: 2709

Parimal G. Patil

Half course (fall term). Hours to be arranged.

Discusses selected topics in Indian epistemology, philosophy of language, philosophy of mind, philosophy of religion, and metaphysics. We pay particular attention to the philosophical content of sectarian debates between Buddhist, Hindu, and Jaina philosophers and attempt to assess their arguments. Readings for the course include translations of primary texts, and some selected secondary material.

Note: Expected to be given in 2010–11. No knowledge of India or Sanskrit assumed or required.

[*Indian Studies 123. Bollywood and Beyond: Commercial Cinema, Language and Culture in South Asia.]

Catalog Number: 6828 Enrollment: Limited to 20.

Richard S. Delacy

Half course (spring term). M., W., F., at 11.

This course examines concepts of personhood, community and culture in South Asia as expressed in contemporary film and literature. Works in Hindi-Urdu and in translation will be examined with emphasis on language as an index of cultural difference and of broad social shifts, notably the transformation of audiences from citizens to culture-consumers. Knowledge of Hindi-Urdu is not required. However, there will be a section for students with intermediate proficiency utilizing language materials.

Note: Expected to be given in 2010–11. Students who enroll in the language section of this course may count it towards a citation in Urdu-Hindi.

Cross-listed Courses

Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists

Music 190r. Topics in World Music: Proseminar



[Persian 132r. Advanced Persian]
[Religion 1005. World Religions in Boston: Seminar]
[Religion 1063. South Asian Religious Aesthetics: Seminar]
[Religion 1600. Introduction to the Hindu Traditions of India](#)
[Religion 1631. Hindu Traditions of Devotion]
[Religion 1663. A Summation of Hindu Theology: the Vedartha Samgraha of Ramanuja]
[Religion 1753. Buddhism Against Itself]
[*Religion 1820 (formerly *Religion 1585). Muslim Societies in South Asia: Religion, Culture, and Identity]
[Societies of the World 22. Asia in the Making of the Modern World - \(New Course\)](#)

Primarily for Graduates

[Indian Studies 201a. Introduction to Indology]

Catalog Number: 5406

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Introduction to the basic tools of Indian Studies. Various approaches are discussed and selected sub-disciplines are discussed by Department members.

Note: Expected to be given in 2010–11. Required for all Sanskrit-track PhD students. Open to Religion.

[Indian Studies 205r. South Asia as Understood by its Regions]

Catalog Number: 2174

Michael Witzel

Half course (spring term). Hours to be arranged.

Topic: Kashmir

Note: Expected to be given in 2010–11.

[Indian Studies 207a. Understanding Indian Ritual]

Catalog Number: 1214

Michael Witzel

Half course (fall term). Hours to be arranged.

Investigates the indigenous theory and practice of Indian ritual, from its beginnings in the second millennium BCE (Rgveda) to present time. Stress on the development of the Agnihotra and Homa and Puja rituals, with materials from Vedic, Puranic, Tantric, and Buddhist sources, including their use in Bali, Tibet and Japan, and audio-visual materials. Recent theories of ritual will also be discussed. Sanskrit texts are used in translation, while read in original in the tandem course, Sanskrit 214.

Note: Expected to be given in 2010–11.

[Indian Studies 207b. Understanding Indian Ritual]

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.



Continuation of Indian Studies 207a.

Note: Expected to be given in 2010–11.

Indian Studies 218. Special Topics in Indian Philosophy

Catalog Number: 9297

Parimal G. Patil

Half course (fall term). Hours to be arranged.

[Indian Studies 219. Introduction to World Mythology]

Catalog Number: 0133

Michael Witzel

Half course (spring term). F., 2–4.

The course discusses current and past approaches to comparative mythology and explores the new field of historical comparative mythology. Close interdisciplinary attention is given to genetics, linguistics and archaeology, and an outline of the development of mythologies from the late Stone Age until the rise of current world religions is presented.

Note: Expected to be given in 2010–11.

Indian Studies 220. Brahmanas: Seminar - (New Course)

Catalog Number: 92712

Michael Witzel

Half course (spring term). Hours to be arranged.

The Brahmana-style texts are the earliest Sanskrit and some of the earliest Indo-European prose texts. They discuss the Srauta ritual, employing an 'identification' technique correlating ritual, Macrocosm and Microcosm. They frequently employ mythological and aitiological tales. This technique will be discussed while reading a selections from the earliest texts (Maitrayani Samhita, c. 1000 BCE) to the latest (Upanisads).

Cross-listed Courses

Linguistics 220ar. Advanced Indo-European

[Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

[Religion 2030. Thinking About History in South Asia: Seminar]

[Religion 2760. Buddhism and Its Critics]

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739 (on leave fall term), Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

Sanskrit

Primarily for Undergraduates



***Sanskrit 91r. Supervised Reading and Research**

Catalog Number: 5497

Leonard W. J. van der Kuip and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Sanskrit not covered by regular courses of instruction.

Note: A graded course. Offered at the discretion of the individual instructors.

***Sanskrit 98r. Tutorial — Junior Year**

Catalog Number: 3117

Leonard W. J. van der Kuip and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators in the Sanskrit Language and Literature option.

***Sanskrit 99. Tutorial - Senior Year**

Catalog Number: 9745

Leonard W. J. van der Kuip and members of the Department

Full course. Hours to be arranged.

Note: Required of students writing a thesis in the Sanskrit Language and Literature track.

For Undergraduates and Graduates

Sanskrit 101a. Elementary Sanskrit

Catalog Number: 8140

Guy Kendall Leavitt

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Introduction to Classical Sanskrit, the translocal language of intellectual life in South Asia for much of the last two millennia. This course provides the essential grammar and reading proficiency necessary to take up the language's many rich literary traditions: scripture (*Upaniṣad*), epic (*Rāmāyaṇa* and *Mahābbārata*), poetry, Hindu and Buddhist philosophy, etc. After completing the textbook, we will read a narrative (*Hitopadeśa*) drawn from one of the most popular literary works in the pre-modern world.

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Guy Kendall Leavitt

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Guy Kendall Leavitt

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

A reading course designed to give students the tools necessary for advanced study in Classical Sanskrit. Readings in epic (*itihāsa*) or narrative (*kathā*), poetry (*kāvya*) or systematic thought (*śāstra*) will introduce students to a variety of important genres and their distinctive conventions. A focus upon the Sanskrit tradition's categories of analysis - grammatical, commentarial and



prosodic - will enable students to begin to make sense of original Sanskrit texts as generations of the tradition's own readers have.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Guy Kendall Leavitt

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 102a.

Primarily for Graduates

[Sanskrit 200ar. Advanced Poetic Sanskrit]

Catalog Number: 3658

Guy Kendall Leavitt

Half course (fall term). Hours to be arranged.

Selected readings from inscriptions and documents.

Note: Expected to be given in 2010–11.

[Sanskrit 200br (formerly Sanskrit 212br). Advanced Literary Sanskrit]

Catalog Number: 3526

Guy Kendall Leavitt

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Sanskrit 201ar. Advanced Philosophical Sanskrit

Catalog Number: 9986

Guy Kendall Leavitt

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Topic to be announced.

Sanskrit 201br. Advanced Philosophical Sanskrit

Catalog Number: 5965

Parimal G. Patil

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Topic to be announced.

Sanskrit 202r. Paninian Grammar

Catalog Number: 6605

Michael Witzel

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

This course offers a systematic introduction to the ingenious description of Sanskrit grammar, composed by Panini (c.350 BCE). This enduring tradition forms the basis of indigenous Sanskrit learning until today. Some subsequent texts of his school will also be read.

Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature

Catalog Number: 6123



Michael Witzel

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Introduction to Vedic grammar. Selection of texts from the Atharvaveda.

Prerequisite: At least one year of Sanskrit.

[Sanskrit 205ar (formerly Sanskrit 2xxar). Readings from the Rgveda I]

Catalog Number: 1129

Michael Witzel

Half course (fall term). Hours to be arranged.

Readings and discussions of the oldest Indian text.

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of Sanskrit.

Sanskrit 205br (formerly Sanskrit 2xxbr). Readings from the Rgveda II

Catalog Number: 0338

Michael Witzel

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Readings and discussions of the oldest Indian text.

Prerequisite: Reading knowledge of Sanskrit.

Sanskrit 206r. Readings in Sanskrit Narrative Literature: Seminar

Catalog Number: 25468

Anne E. Monius (Divinity School)

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A reading course in genres of Sanskrit narrative literature, suitable for second-year students and above.

Note: Cross-listed as HDS 3782

[Sanskrit 214. Ritual Sutras]

Catalog Number: 6626

Michael Witzel

Half course (fall term). Hours to be arranged.

Reading and discussion of Sutras and Paddhatis.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Francis X. Clooney (Divinity School) 1785, Diana L. Eck 4514, Anne E. Monius (Divinity School) 4489, Parimal G. Patil 4478, and Michael Witzel 1602

***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Francis X. Clooney (Divinity School) 1785, Diana L. Eck 4514, Anne E. Monius (Divinity School) 4489, Parimal G. Patil 4478, and Michael Witzel 1602



Pali

For Undergraduates and Graduates

Pali 101a. Introductory Pali

Catalog Number: 4129

Michael Witzel and members of the Department

Half course (fall term). Hours to be arranged.

Prerequisite: One year of Sanskrit.

Pali 101b. Introductory Pali

Catalog Number: 7320

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Pali 101a.

Prerequisite: One year of Sanskrit.

Pali 102a. Intermediate Pali

Catalog Number: 8376

Michael Witzel and members of the Department

Half course (fall term). Hours to be arranged.

***Pali 102b. Intermediate Pali**

Catalog Number: 7748

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Pali 102a.

Prerequisite: Pali 102a or equivalent.

Pali 103r. Readings in Pali

Catalog Number: 6985

Michael Witzel and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Graduate Courses of Reading and Research

Nepali

For Undergraduates and Graduates

[Nepali 101a. Introductory Nepali]

Catalog Number: 8974

Michael Witzel and members of the Department

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.



[Nepali 101b. Introductory Nepali]

Catalog Number: 3039

*Michael Witzel and members of the Department
Half course (spring term). Hours to be arranged.*

Note: Expected to be given in 2010–11.

[Nepali 102a. Intermediate Nepali]

Catalog Number: 8921

Michael Witzel

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Nepali 102b. Intermediate Nepali

Catalog Number: 2720

*Michael Witzel and Members of the Department
Half course (spring term). Hours to be arranged.*

This course is designed to provide students with a more sophisticated knowledge of Nepali grammar. Students will also have an opportunity to use Nepali language for communication purposes and will be able to analyze more complex sentence types than the ones taught in the introductory course.

Nepali 103a. Advanced Nepali - (New Course)

Catalog Number: 19267

*Michael Witzel and members of the Department
Half course (fall term). F., 2–5. EXAM GROUP: 7, 8, 9*

Nepali 103b. Advanced Nepali

Catalog Number: 85896

Michael Witzel

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

Urdu and Hindi

For Undergraduates and Graduates

***Hindi 101ab. Intensive Introductory Hindi - (New Course)**

Catalog Number: 55682 Enrollment: Limited to 12.

Naseem A. Hines

Full course (spring term). M. through F., 3–5. EXAM GROUP: 8, 9, 17, 18

A complete first year course in one term. Provides an introduction to Hindi and Devanagari script, encompassing all four skills: speaking, listening, reading and writing.

Note: Not Open to auditors. Cannot be taken Pass/Fail.

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078

Richard S. Delacy



Full course (indivisible). M. through Th., (F.), at 11; M. through Th., (F.), at 3. EXAM GROUP: Spring: 4, 13

An introduction to the lingua franca of the subcontinent in its "Hindustani" form. Students are introduced to both the Perso-Arabic and the Devanagari script systems. Conventional teaching materials are supplemented by popular songs and video clips from Bollywood.

Note: Not open to auditors.

Urdu 102. Intermediate Urdu-Hindi

Catalog Number: 2941

Naseem A. Hines

Full course (indivisible). Fall: M. through Th., at 11; Spring: M. through Th., at 12. EXAM GROUP: Fall: 4, 13

Continuation of Urdu 101. Emphasis on written expression and texts in both Perso-Arabic and Devanagari script systems. Students are introduced to Urdu/Hindi fables, short stories, and various other genres of literature, including poetry.

Note: Not open to auditors.

Prerequisite: Urdu 101 or equivalent.

Urdu 103a. Advanced Urdu-Hindi

Catalog Number: 0700

Amy Bard

Half course (fall term). M., W., at 4, Th., at 9. EXAM GROUP: 9, 11

Continuation of Urdu 102; covers topics in advanced grammar; designed to improve proficiency in speaking, listening, reading, and writing.

Prerequisite: Urdu 102 or equivalent.

Urdu 103b. Advanced Urdu-Hindi

Catalog Number: 4615

Amy Bard

Half course (spring term). Tu., at 3, W., 3–5.

Continuation of Urdu 103a.

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism]

Catalog Number: 0927

Ali S. Asani and Naseem A. Hines

Half course (fall term). Hours to be arranged.

A survey of the popular literary genre including selections from poets such as Wali Dakkani, Siraj Aurangabadi, Mir Dard, Haidar Ali Atish, Mirza Ghalib, and others. Special attention to religious and mystical symbolism.

Note: Expected to be given in 2010–11.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r. Topics in Urdu-Hindi Literature

Catalog Number: 5963

Ali S. Asani, Richard S. Delacy, and Naseem A. Hines

Half course (fall term; repeated spring term). Spring: M., W., Th., at 4. EXAM GROUP: Spring:



9, 18

A course for students with native or near-native proficiency with readings in a variety of genres from Urdu and/or Hindi literature based on student interest.

Urdu 106r. Advanced Oral Proficiency in Urdu-Hindi - (New Course)

Catalog Number: 70789

Ali S. Asani (spring term) and Naseem A. Hines (fall term)

Half course (fall term; repeated spring term). M., W., at 10. EXAM GROUP: 3

A course intended to raise levels of oral proficiency for advanced students and consolidate command over complex grammatical structures. By the end of the term, students will be expected to converse in a clearly participatory fashion, initiate, sustain and bring closure to a wide variety of communicative tasks using diverse strategies.

Prerequisite: Urdu 103 or Instructor's permission.

Graduate Courses of Reading and Research

***Urdu 300. Reading and Research**

Catalog Number: 2131

Ali S. Asani 7739 (on leave fall term)

Tibetan and Himalayan Studies

Primarily for Undergraduates

Tibetan 91r. Supervised Reading and Research

Catalog Number: 2288

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Supervised reading of texts in Tibetan not covered by regular courses of instruction.

For Undergraduates and Graduates

Tibetan 101a. Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Tibetan 101b. Elementary Classical Tibetan

Catalog Number: 5299

Leonard W. J. van der Kuijp and members of the Department

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Prerequisite: Tibetan 101a.

Tibetan 102a. Intermediate Classical Tibetan

Catalog Number: 9088

Leonard W. J. van der Kuijp and members of the Department



Half course (fall term). Th., 1:30–3, Tu., 4–5:30. EXAM GROUP: 15, 16, 18

An intermediate classical Tibetan course emphasizing reading and translation of various Tibetan texts covering different genres, such as religious history, biography of Tibetan masters and folk literature writings. Please check the course website for the most updated information.

Prerequisite: Tibetan 101a and 101b or equivalent courses.

Tibetan 102b. Intermediate Classical Tibetan

Catalog Number: 8580

Leonard W. J. van der Kuijp and members of the Department

Half course (spring term). M., W., 11:30–1. EXAM GROUP: 4, 5

Continuation of 102a.

Prerequisite: 101a, 101b or equivalent courses.

[Tibetan 103r. Introduction to Pre-Classical Tibetan]

Catalog Number: 7031

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Prerequisite: Tibetan 101a and 101b.

Tibetan 104ar. Elementary Colloquial Tibetan

Catalog Number: 4158

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Tibetan 104br. Elementary Colloquial Tibetan

Catalog Number: 7026

Leonard W. J. van der Kuijp and members of the Department

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Continuation of Tibetan 104ar.

Tibetan 105ar. Intermediate Colloquial Tibetan

Catalog Number: 1314

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Tibetan 105br. Intermediate Colloquial Tibetan

Catalog Number: 1151

Leonard W. J. van der Kuijp and members of the Department

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Tibetan 106ar. Advanced Colloquial Tibetan

Catalog Number: 7094

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term). Hours to be arranged.

Prerequisite: Tibetan 101 and 102, or equivalent.



Tibetan 106br. Advanced Colloquial Tibetan

Catalog Number: 5352

Leonard W. J. van der Kuijp and members of the Department

Half course (spring term). Hours to be arranged.

Prerequisite: Tibetan 101 and 102, or equivalent.

Cross-Listed Courses

Tibetan History 100. A Cultural and Political History - (New Course)

Primarily for Graduates

[Tibetan 200ar. Classical Poetic Tibetan]

Catalog Number: 7360

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Readings in Tibetan texts on poetic theory based on Indian models, together with illustrations of a number of poetic figures. The main text will be the Tibetan translation of the Kāvyaḍarsa and passages from Tibetan commentaries.

Note: Expected to be given in 2010–11.

[Tibetan 202r. Readings in Advanced Philosophical Tibetan]

Catalog Number: 7601

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Focuses on the analyses of conceptual knowledge in early Tibetan philosophical texts (1100-1250).

Note: Expected to be given in 2010–11.

[Tibetan 203. Readings in Madhyamaka/Dbu ma]

Catalog Number: 2301

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Tibetan 219. Tibetan Religious Literature

Catalog Number: 9500

Janet Gyatso (Divinity School)

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This seminar will read an early Brug-pa treatise that attempted to conjoin mainstream tantric ideas about the enlightened buddha-body with Indian Ayurvedic medical conception of the everyday secular body.

Note: Offered jointly with the Divinity School as 3892.

Prerequisite: At least one previous year of classical Tibetan is required.



[Tibetan 227. History of Tibetology: Seminar]

Catalog Number: 7688

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Tibetan 230. Readings in the Life of the Kashmirian Scholar Shakyashribhadra: Seminar - (New Course)

Catalog Number: 92097

Leonard W. J. van der Kuijp

Half course (spring term). Th., 1-4. EXAM GROUP: 15, 16, 17

Various Tibetan biographies of the life of this influential scholar will be examined and special problem areas will be analyzed in full detail.

Prerequisite: Reading knowledge of Tibetan.

Tibetan 231. Introduction to Tibetan Historiography - (New Course)

Catalog Number: 40575

Leonard W. J. van der Kuijp

Half course (fall term). F., 1-4. EXAM GROUP: 6, 7, 8

Readings will be excerpted from different Tibetan chronicles

Prerequisite: Tibetan 101 or equivalent.

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuijp 1556

***Tibetan 302. Direction of AM Theses**

Catalog Number: 6927

Leonard W. J. van der Kuijp 1556

Thai

For Undergraduates and Graduates

[Thai 101a. Introductory Thai I]

Catalog Number: 5395

Michael Witzel

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[Thai 101b. Introductory Thai II]

Catalog Number: 6557

Michael Witzel and members of the Department



Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[Thai 102a. Intermediate Thai I]

Catalog Number: 8582

Michael Witzel and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 18

A two-term continuation of the study of Thai at the intermediate level. Students build on acquired proficiency at the elementary level (or its equivalent) towards achieving more fluency in reading, speaking, writing, and listening comprehension of standard Thai, as well as in cultural-social skills. Introduces new vocabulary and grammar through communicative tasks and text readings, mainly using the situational-communicative methodology.

Note: Expected to be given in 2010–11.

Prerequisite: Successful completion of Elementary Thai (or equivalent) is required. Continuing students who did not take Introductory Thai, as well as new students, are encouraged to talk to the instructor prior to registration.

[Thai 102b. Intermediate Thai II]

Catalog Number: 3751

Michael Witzel

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Prerequisite: Thai 102a.

Thai 103ar. Advanced Thai Readings I

Catalog Number: 7590

Michael Witzel and members of the Department

Half course (fall term). W., 7–9 p.m. EXAM GROUP: 9

Thai 103br. Advanced Thai Readings II

Catalog Number: 7593

Michael Witzel

Half course (spring term). W., 7-9 p.m.; M., at 3, W., 2-4. EXAM GROUP: 9

Graduate Courses of Reading and Research

[*Thai 300. Reading and Research]

Catalog Number: 5368

Michael Witzel 1602 and members of the Department

Note: Expected to be given in 2010–11.



Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Slavic Languages and Literatures

Julie A. Buckler, Professor of Slavic Languages and Literatures (*Chair*)
Anna Baranczak, Preceptor in Slavic Languages and Literatures
Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature
Jonathan H. Bolton, Associate Professor of Slavic Languages and Literatures (*on leave 2009-10*)
Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and
Professor of Comparative Literature
Patricia R. Chaput, Professor of the Practice of Slavic Languages (*Director of the Language
Program*)
Natalia Chirkov, Preceptor in Slavic Languages and Literatures
Volodymyr Dibrova, Preceptor in Slavic Languages and Literatures
Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology
Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures
George G. Grabowicz, Dmytro Čyževs'kyj Professor of Ukrainian Literature
Nora Hampl, Preceptor in Slavic Languages and Literatures
John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures
Joanna Nizynska, Associate Professor of Slavic Languages and Literatures (*Director of
Undergraduate Studies*)
Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures
Natalia Reed, Preceptor in Slavic Languages and Literatures
Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures
William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of
Comparative Literature (*on leave 2009-10*)
Justin Weir, Professor of Slavic Languages and Literatures (*Director of Graduate Studies*)
Curt F. Woolhiser, Preceptor in Slavic Languages and Literatures

Language Courses

For Undergraduates and Graduates

Sectioning Note: Sectioning in multisectioned language courses is determined by attendance in class during the first week and through subsequent adjustments to maintain uniform section size. There is no separate sectioning meeting for language courses. Beginning on the first day of class, sections fill on a first-come basis, so that some sections may close on the first day. Students should attend the section of their choice and must continue to attend throughout the first week (or make special arrangements) to retain their places in sections. Students who miss classes may enter only those sections where space is available. Please note that under-enrolled sections may be canceled or rescheduled. No section times are guaranteed. As a general rule, no auditors are permitted in language courses. If fellowship terms or other circumstances prohibit registration, students must speak with the Director of the Language Program to request permission to audit.



Language courses may not be taken Pass/Fail. Some courses permit graduate students to register on a Pass/Fail basis, but only by permission of the instructor. For further information on the Slavic Department, please go to www.slavic.fas.harvard.edu.

Slavic A. Beginning Russian

Catalog Number: 8014

Patricia R. Chaput, Natalia Chirkov, and others

Full course. Section I: M., through W., F., at 9; Section II: M., through W., F., at 1; and speaking practice Fall: Th., at 9, 10, 11, 1 or 2; Spring: Th., at 10, 11, 1 or 2. EXAM GROUP: 2, 11

Introduction to the essentials of the Russian language, designed for students without previous knowledge of Russian. Intensive speaking practice in essential grammar and vocabulary using naturally occurring conversational patterns. Introduction to the speech etiquette of social exchanges. Regular use of online video for comprehension practice, grammar, and vocabulary building. Reading and discussion of stories, biography, and poetry.

Note: See sectioning note above.

Slavic Aab. Beginning Russian (Intensive)

Catalog Number: 4441

Natalia Chirkov, Natalia Reed, and members of the Department

Full course (fall term; repeated spring term). M., through F., at 9, and speaking practice M., W., F., at 10 or 11. EXAM GROUP: 2, 11

Covers the same material as Slavic A but in one term.

Note: See sectioning note above.

Slavic Ac (formerly Slavic Acd). Grammar and Vocabulary Review for Heritage Speakers

Catalog Number: 0496

Patricia R. Chaput and members of the Department

Half course (spring term). M., W., F., at 1, and speaking practice W., at 9. EXAM GROUP: 6

For students with Russian family background. The course covers all of the cases of Russian verb conjugation, aspect, and other essential grammar topics. Emphasis on reading, writing, spelling, and word formation.

Note: Students with any Russian background who may wish to take Russian language courses in the Slavic Department must take the Placement Exam in August.

Prerequisite: Placement at this level.

Slavic B. Intermediate Russian

Catalog Number: 3262

Natalia Reed, Vladimir Gitin (spring term), and others

Full course. M., W., F., at 9 or 10, and speaking practice Tu., Th., at 9, 10, or 11. EXAM GROUP: 2

Major emphasis on the development of vocabulary and oral expression with continuing work on difficult grammar topics. Vocabulary thematically organized to include such topics as self and family, education, work, human relationships, politics, and national attitudes. Includes practice in the etiquette of common social situations. Vocabulary reinforced through film and the reading of classical and contemporary fiction and history. Computer exercises on selected topics.



Note: See sectioning note above.

Prerequisite: Slavic A, Aab, Ac, Acd, or placement at the intermediate level. Familiarity with fundamentals of Russian grammar, particularly case endings of the noun, pronoun, and adjective. One year's practice in spoken Russian.

Slavic Bab. Intermediate Russian (Intensive)

Catalog Number: 1657

Vladimir Y. Gitin and Natalia Chirkov

Full course (spring term). Meets eight hours per week . M., W., F., at 11; Tu., Th., at 12, and speaking practice M., W., F., at 1.

Covers essentially the same material as Slavic B, but in one term. Readings may vary.

Note: See sectioning note above. Class hours may be changed by agreement.

Prerequisite: Slavic A, Aab, Ac, or placement at the intermediate level.

Slavic Ca. Beginning Czech I

Catalog Number: 2173

Nora Hampl

Half course (fall term). M., W., F., at 10, and an additional hour for speaking practice to be arranged. EXAM GROUP: 3

An introductory course in modern Czech for students with no previous knowledge of the language. Emphasis on the development of oral proficiency as well as on reading and listening comprehension skills. Written work for practice and reinforcement. Reading of simple poetry and prose.

Slavic Cb. Beginning Czech II

Catalog Number: 7117

Nora Hampl

Half course (spring term). M., W., F., at 10, and an additional hour of speaking practice to be arranged. EXAM GROUP: 3

Continuation of modern Czech grammar and the further development of reading, writing, and oral skills. Reading and discussion of simple literary texts by Hasek, Capek, Havel, and Kundera.

Slavic Cc. Intermediate Czech I

Catalog Number: 6028

Nora Hampl

Half course (spring term). M., W., F., at 1, and speaking practice to be arranged.

Intermediate language and culture study combines further development of vocabulary and oral expression with a comprehensive review of Czech grammar. Vocabulary topics are thematically organized and reinforced through visual media to include cultural perceptions of the self, family, society, and broader ethical and political attitudes prevalent in Czech culture. Selected short texts, movies, and multi-media will familiarize students with contemporary cultural issues and historical and political developments.

Prerequisite: Slavic Ca and Cb or placement at this level.

Slavic Cd. Intermediate Czech II

Catalog Number: 7411



Nora Hampl

Half course (fall term). M., W., F., at 11, and speaking practice to be arranged. EXAM GROUP: 4

Second-semester intermediate study consolidates and expands grammar/lexicon, reading, writing and speaking skills in Czech. Grammar review is combined with intensive vocabulary building around literary and film masterpieces. Original literature to include Capek, Havel, Kundera and others, as well as newspaper articles and newscasts, with the objective of further interpreting cultural categories encoded in the language.

Prerequisite: Slavic Ca, Cb, Cc, or placement at this level.

***Slavic Cr. Supervised Readings in Intermediate/Advanced Czech**

Catalog Number: 0847

Nora Hampl

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes. Interested students should submit on-line applications to staff assistant Stuart Robbins-Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic Da. Beginning Polish I

Catalog Number: 8158

Anna Baranczak

Half course (fall term). M., W., F., at 9, and an additional hour of speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Polish designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry.

Slavic Db. Beginning Polish II

Catalog Number: 6907

Anna Baranczak

Half course (spring term). M., W., F., at 9, and an additional hour of speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Da. Continued work on Polish grammar with increasing emphasis on reading. Continued oral work and writing for practice and reinforcement.

Slavic Dc. Intermediate Polish I - (New Course)

Catalog Number: 41571

Anna Baranczak

Half course (fall term). M., W., F., at 11, and speaking practice to be arranged. EXAM GROUP: 4

Emphasis on vocabulary building, writing, speaking and listening skills with comprehensive review of Polish grammar concentrating on difficult topics. Introduction to Polish literature through fiction and poetry, history and contemporary events.

Prerequisite: Slavic Da and Db or placement at this level.



Slavic Dd. Intermediate Polish II - (New Course)

Catalog Number: 56678

Anna Baranczak

Half course (spring term). M., F., at 11, F., at 12, and speaking practice to be arranged. EXAM GROUP: 3, 4

Intensive development of vocabulary and oral skills. Readings from literary masterpieces from Polish literature from the era of Renaissance to our times including Jan Kochanowski, Wislawa Szymborska, Zbigniew Herbert, Czeslaw Milosz and others. Film clips and newspaper articles will introduce students to a variety of styles of contemporary Polish.

Prerequisite: Slavic Dc or placement at this level.

***Slavic Dr. Supervised Readings in Intermediate/Advanced Polish**

Catalog Number: 1096

Anna Baranczak

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes.

Interested students should submit on-line applications to staff assistant Stuart Robbins-Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic Ga. Beginning Ukrainian I

Catalog Number: 5536

Volodymyr Dibrova

Half course (fall term). M., W., F., at 9, and an additional hour of speaking practice to be arranged. EXAM GROUP: 2

Introduction to the fundamentals of Ukrainian designed for students with no previous knowledge of the language. Emphasis on oral practice of essential grammar structures in naturally occurring conversational patterns. Reading and discussion of simple prose and/or poetry. Writing for practice and reinforcement.

Slavic Gb. Beginning Ukrainian II

Catalog Number: 7126

Volodymyr Dibrova

Half course (spring term). M., W., F., at 9, and an additional hour of speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Ga. Continued work on Ukrainian grammar with further development of vocabulary, oral expression and comprehension. Readings of short stories and poems with discussion of texts in Ukrainian.

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

Catalog Number: 1260

Volodymyr Dibrova

Half course (fall term; repeated spring term). Hours to be arranged.

Emphasis on reading with some practice in speaking and writing. Conducted as a tutorial.

Note: Department application required. No applications accepted after the fifth day of classes.



Interested students should submit on-line applications to staff assistant Stuart Robbins-Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic 101. Advanced Intermediate Russian: Reading, Grammar Review, and Conversation

Catalog Number: 7234

Natalia Pokrovsky and Curt F. Woolhiser

Half course (fall term). M., W., F., at 10 or 11, and speaking practice Tu., Th., at 10 or 11.

EXAM GROUP: 4

Continuing development of speaking and reading proficiency. Vocabulary work emphasizes verbs and verb government as essential to effective communication. Work on word formation to increase reading vocabulary. Texts for reading and discussion include works in prose, poetry, and film. Readings include a satirical tale by Shvartz, poetry of Akhmatova, and a film (Bykov's *Scarecrow*).

Note: See sectioning note above.

Prerequisite: Slavic B, Bab, Bb, or placement at this level.

Slavic 102. Advanced Russian: Introduction to the Language of History and the Media

Catalog Number: 3280

Curt F. Woolhiser

Half course (fall term). M., W., F., at 2, and an additional hour to be arranged. EXAM GROUP: 7

Introduction to the language of Russian newspapers, journals, and historical writing. Basic vocabulary for such areas as current events, including politics, history, economics, military issues, society, and the environment. Intended for students who desire a professional level of reading proficiency in the social sciences. Intensive work on morphology and supplementary work on oral comprehension.

Note: See sectioning note above. Conducted largely in English.

Prerequisite: Slavic 101 or permission of instructor.

Slavic 103. Advanced Russian: Reading, Composition, and Conversation

Catalog Number: 8638

Curt F. Woolhiser and Natalia Reed

Half course (spring term). M., W., F., at 1; with speaking section Tu., Th., 1, or W., F., 11.

EXAM GROUP: 6

Continuing work on vocabulary and grammar centering on verbs and verb government. Readings include works by Chekhov and Dostoevsky, poetry, and film.

Note: See sectioning note above. Strongly recommended for students who plan to continue in Russian.

Prerequisite: Slavic 101 or placement at the 103 level.

***Slavic 111. Advanced Russian: Readings in Russian/Post-Soviet Studies**

Catalog Number: 1594

Curt F. Woolhiser

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

Reading and discussion of topics in the areas of history, economics, politics, and current events.



Continued work on grammar and vocabulary with written exercises and compositions. TV viewing for comprehension development.

Note: See sectioning note above.

Prerequisite: Slavic 101 and 102, Slavic 103, or placement at the level of Slavic 111/113.

***Slavic 112. Advanced Russian: Russian Press and Television**

Catalog Number: 3290

Natalia Pokrovsky

Half course (spring term). M., W., F., at 1, with an additional hour of TV viewing to be arranged. EXAM GROUP: 6

For students who already have experience reading Russian periodicals. Readings in and analysis of current topics and their presentation in the Russian press. Examination of the history of selected periodicals. Viewing of Russian news programs and analysis of language and content. Class conducted largely in Russian.

Note: See sectioning note above.

Prerequisite: Slavic 102 and an additional course at the level of Slavic 101 or above, or Slavic 111 with permission of the instructor.

Slavic 113. Advanced Russian: Readings in Russian Literature I

Catalog Number: 0955

Natalia Pokrovsky

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

Reading and discussion of classic and contemporary Russian literature. Continued work on vocabulary expansion and composition. Written exercises for reinforcement. Readings from authors such as Gogol, Chekhov, Bulgakov, Pasternak, Brodsky, and Bitov.

Note: See sectioning note above.

Prerequisite: Slavic 103, 115 or placement at this level or above.

Slavic 115 (formerly Slavic 104). Advanced Russian: Topics in Russian Culture

Catalog Number: 0795

Natalia Pokrovsky

Half course (spring term). M., W., F., at 10; M., W., F., at 11. EXAM GROUP: 3

Through readings and film, we explore Russian cultural attitudes, including the individual in society, gender roles, prestige and success, truth and falsehood, and justice and the law. Emphasis on vocabulary building and fluency through speaking practice and written compositions. Topics to take student interests into account.

Prerequisite: Slavic 103, 113, or permission of instructor.

Slavic 117 (formerly Slavic 121). Advanced Russian: Reading Literary Texts

Catalog Number: 4812

Vladimir Y. Gitin

Half course (fall term). M., F., at 1, W., at 3. EXAM GROUP: 6, 8

A course designed to further develop students' sensitivity to the reading of literary texts. Topics include the nature of lexical meaning, including meaning associations, syntactic meaning, aspects of morphology, word order and intonation, and colloquial language. Texts include both prose and poetry.



Note: Primarily for graduate students in the Slavic Department.

Prerequisite: Slavic 103 or placement at this level or above.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Patricia R. Chaput

Half course (fall term; repeated spring term). Fall: M., W., F., at 11, and two additional hours to be arranged. Spring: Hours to be arranged. EXAM GROUP: Fall: 4

Intended for students who have already taken other department offerings. Reading, discussion, and writing on special topics not addressed in other courses. Conducted as a tutorial. Requires a course proposal to apply; acceptance is not automatic. Applications may be found on the department website under Resources.

Note: See sectioning note above. No applications accepted after the third day of classes.

Slavic Literature, Culture, and Philology

Primarily for Undergraduates

***Slavic 91r. Supervised Reading and Research**

Catalog Number: 2713

Joanna Nizynska and others

Half course (fall term; repeated spring term). Hours to be arranged.

Note: A graded course. Permission must be obtained from the Director of Undergraduate Studies and the instructor under whom the student wishes to study.

***Slavic 97. Tutorial — Sophomore Year**

Catalog Number: 7595

Julie A. Buckler

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

An interdisciplinary introduction to major authors and themes of Slavic history and culture (text, image, performance). Theories of literary interpretation (including Russian Formalism and semiotics) as well as different approaches to placing Slavic cultures in their social and political contexts.

Note: For concentrators in Slavic Literatures and Cultures.

***Slavic 98. Tutorial—Junior Year**

Catalog Number: 1684

Svetlana Boym (spring term) and Stephanie Sandler (fall term)

Full course. Fall: Th., 2–4; Spring: W., 2–4. EXAM GROUP: Fall: 16, 17; Spring: 7, 8

In the first term, junior tutorial introduces students to classic works of Russian literature, which are read in the original. The second term is devoted to a single topic and provides concentrators with a more intensive reading experience. In fall, 2009, the focus is on poetry and film; in the spring, 2010, the focus is on the prose of Chekhov and Nabokov. Specific authors and texts change from year to year in each term.

Note: Required of junior concentrators in Slavic Literatures and Cultures. Other students may



enroll for one or both terms. Students who wish to concentrate on a different Slavic language may arrange a separate tutorial.

***Slavic 99a (formerly *Slavic 99r). Tutorial--Senior Year**

Catalog Number: 9278

Joanna Nizynska and others

Half course (fall term; repeated spring term). Hours to be arranged.

For senior concentrators in Slavic Literature and Culture. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies.

Note: Required for senior concentrators in Slavic Literature and Culture. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies. Honors students must also complete Slavic 99b.

***Slavic 99b (formerly *Slavic 99r). Tutorial — Senior Year**

Catalog Number: 5592

Joanna Nizynska and others

Half course (spring term). Hours to be arranged.

Students work with a faculty adviser on a senior thesis.

Note: For senior concentrators in Slavic Literature and Culture. Students who wish to enroll must obtain the signature of the Director of Undergraduate Studies.

Prerequisite: Slavic 99a.

Cross-listed Courses

Aesthetic and Interpretive Understanding 11. Poetry Without Borders

[Foreign Cultures 92. From the Prague Spring to the Velvet Revolution: Czech Culture under Communism]

***Freshman Seminar 30l. George Balanchine: Russian-American Master**

***Freshman Seminar 34t. Experimental Fiction**

***Freshman Seminar 38l. Literary Theory**

***Freshman Seminar 42x. Leisure, Play, and Idleness in Russian Literature**

***History 72f (formerly *History 1529). East European Identities: Russia and Ukraine**

***History 82f. The Origins of the Cold War: The Yalta Conference (1945)**

Literature and Arts A-45. Theories of Authorship: Russian Case Studies

Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus'

[Literature and Arts C-30. How and What Russia Learned to Read: The Rise of Russian Literary Culture]

Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde

For Undergraduates and Graduates

[Slavic 126a. Structure of Modern Russian: Phonology and Morphology]

Catalog Number: 3083

Michael S. Flier

Half course (spring term). Th., 2–4.



Introduction to Russian phonetics, phonemics, morphophonemics, and inflectional and derivational morphology. Course goal is to give a deeper understanding and appreciation of the regularities and complexities of Russian through a close study of its sounds and words.

Note: Expected to be given in 2010–11.

Prerequisite: Slavic B, Bab or placement at the third-year level. No knowledge of linguistics required.

[Slavic 137. Prague Between Two Empires: Czech Culture from 1914 to 1948]

Catalog Number: 9805

Jonathan H. Bolton

Half course (fall term). M., W., (F.), at 11.

Introduction to the interplay of modernism and nationalism in Czech culture (literature, journalism, film, art, architecture), focusing on the interwar renaissance and Nazi occupation from 1939 to 1945. Examines how writers negotiated between the demands of aesthetics and politics, articulating a Czechoslovak identity while participating in the main currents of European modernism, from dadaism and expressionism through surrealism and existentialism. Readings include Kafka, Milena Jesenska, Hasek, Capek, Olbracht, Seifert, Nezval, Jiri Langer, and others.

Note: Expected to be given in 2010–11. All readings in English. No prior knowledge of Czech literature or history necessary. Students who wish to read Czech texts in the original may arrange a special section with the instructor.

[Slavic 140. 18th-Century Russian Literature: Conference Course]

Catalog Number: 6495

Julie A. Buckler

Half course (spring term). Tu., 12–2.

Major literary authors, movements, and genres (poetry, narrative prose, letters and autobiography, drama), and European influences; cultural practices within courtly, private, and public spheres; pastoral, erotic, and utopian themes; imperial history; architecture and visual arts.

Note: Expected to be given in 2010–11.

Prerequisite: Good reading knowledge of Russian.

[Slavic 145b. Russian Literature and Revolution]

Catalog Number: 6663

Justin Weir

Half course (spring term). Tu., 1–3.

Examines the 20th-century Russian literary tradition and its attempts alternately to inspire, record, and undermine the great social upheaval of October 1917. Considers a broad range of modernist literary genres and movements and the official aesthetics of socialist realism. Works by Babel, Bely, Blok, Bulgakov, Gorky, Kataev, Kharms, Mandelshtam, Mayakovsky, Nabokov, Olesha, Pasternak, Platonov, and Solzhenitsyn.

Note: Expected to be given in 2010–11. All readings in English. This course, when taken for a letter grade, meets the Core requirement for Literature and Arts A.

[Slavic 147. Soviet Film After Stalin - \(New Course\)](#)

Catalog Number: 42948



Justin Weir

Half course (spring term). Th., 2-4, with a film screening Tu., 5-7:45 pm. EXAM GROUP: 16, 17
 Considers the intersection of film and politics during the "thaw" years after Stalin's death, as well as themes of sexuality, gender, and violence in Russian culture of the 60's and 70's. Examines several films by Kalatozov, Tarkovsky, Paradjanov, and Shepitko which are well known for their innovation in form and narrative.

Slavic 148. Strange Russian Writers

Catalog Number: 7101

Stephanie Sandler

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

Studies Russia's rebels, deviants, martyrs, loners, and losers as emblems of national identity. Stories, films and poems that project Russia's distinctive obsessions with history and religion. Includes Gogol, Tolstoy, Leskov, Kharmis, Platonov, Nabokov, Sinyavsky, Petrushevskaya, Prigov; films by Eisenstein, Tarkovsky, Muratova, Lungin, Sokurov.

Note: All readings in English. Separate additional section for those able to read texts in Russian. This course, when taken for a letter grade, meets the General Education requirement for either Aesthetic and Interpretive Understanding or Culture and Belief, but not both. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C. This course fulfills the requirement that one of the eight General Education courses also engages substantially with Study of the Past.

Slavic 149. Performance, Theater, Culture, Nation, Self: Russia and Its Others

Catalog Number: 36747

Julie A. Buckler

Half course (spring term). M., 2-4. EXAM GROUP: 7, 8

Investigates performance and theatricality in imperial, Soviet, and post-Soviet contexts, in both art and life, through broad exploration of theoretical underpinnings (classical dramatic theory to contemporary performance studies) and case studies from drama, opera, ballet, film, musicals, performance art, religious ritual and folk festival, monarchy and court, mass spectacles, Cold War competitions and diplomacy, subcultures, and contemporary assertions of new orders.

Note: Reading knowledge of Russian desirable, but not required. An additional weekly session will be conducted for those who wish to consider texts in the original. Open to reasonably advanced undergraduates and graduates.

[Slavic 150. One Writer]

Catalog Number: 7644

John E. Malmstad

Half course (fall term). W., 2-4.

Topic for 2006-07: The Short Prose Fiction of Nikolai Gogol. Primary emphasis on close reading with some attention to the development of the critical legacy.

Note: Expected to be given in 2010-11. Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

Slavic 151. Experiments in Reading: Chekhov and Nabokov

Catalog Number: 2505



Svetlana Boym

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Literary close reading of Chekhov and Nabokov with special attention to narrative experimentation as well as to the cultural and historical contexts. The main reading is Nabokov's *Drugie berega/Speak Memory*, a text that combines fiction and autobiography, literature and criticism, English and Russian.

Note: Readings in Russian (with English double-texts). Alternative to Slavic 98. Tutorial--Junior Year.

Prerequisite: Reading knowledge of Russian.

[Slavic 152. Pushkin]

Catalog Number: 8023

William Mills Todd III

Half course (spring term). Th., 2–4.

A survey of the lyrics, narrative poems, fiction, and critical prose of Russia's "national poet." Close reading of the texts; attention to contemporary cultural issues. Lecture and discussion.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Prerequisite: Good reading knowledge of Russian.

[Slavic 153. Short Russian Prose]

Catalog Number: 1743

John E. Malmstad

Half course (fall term). W., 3–5.

Readings in Russian short forms from Gogol to Nabokov. Primary emphasis on close reading.

Note: Expected to be given in 2010–11. Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

[Slavic 154. Introduction to Russian Poetry](#)

Catalog Number: 6038

John E. Malmstad

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An introduction to the major genres of Russian verse from the 18th through the 20th centuries. Primary emphasis on close reading of lyrics.

Note: First Meeting Wednesday, September 9. Readings in Russian; discussion in English.

[Slavic 155. Dostoevsky]

Catalog Number: 6850 Enrollment: Limited to 20.

William Mills Todd III

Half course (fall term). M., 1-3. EXAM GROUP: 6, 7

Reading of Dostoevsky's major works, with a view to showing how the problems they contain (social, psychological, political, metaphysical) are inseparable not only from his time but from the distinctive novelistic form he created.

Note: Expected to be given in 2011–12. No knowledge of Russian required.



[Slavic 159. Approaches to Tolstoy]

Catalog Number: 4018

Justin Weir

Half course (spring term). Th., 2–4.

Tolstoy and his major fiction from diverse cultural and theoretical perspectives. To what extent do the texts themselves seem to invite such approaches?

Note: Expected to be given in 2010–11.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 165. Survey of 19th-Century Ukrainian Literature]

Catalog Number: 0410

George G. Grabowicz

Half course (fall term). M., 1-3, and a third hour for those who wish to consider the texts in the original language.

An introduction to Ukrainian literary and intellectual culture, from pre-Romanticism to Modernism. Readings from Kotljarevs'kyj, Shevchenko, Kulish, Drahomanov, Franko, Lesja Ukrajinka, Kociubyns'kyj, and Stefanyk.

Note: Expected to be given in 2010–11. No knowledge of Ukrainian required.

Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course

Catalog Number: 3513

George G. Grabowicz

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

Examines Russian-Ukrainian literary relations from 1798 to 1905, with special focus on canon formation, ethnic, national and imperial identity, and the interrelation of literature, society, and ideology. Topics include Decembrist historicism, Romantic poetics and folklore, Slavophilism and populism, literature as subversion (kotljarevshchyna), the uses of translation, the reception of major writers (Gogol, Shevchenko, and others), and the imperial attempt to suppress “Ukrainophilism.”

Prerequisite: Reading knowledge of Russian or Ukrainian.

[Slavic 170. Polish Literature from 1945 to the Present]

Catalog Number: 5555

Joanna Nizynska

Half course (fall term). Hours to be arranged.

Surveys the literary movements of Communist and post-Communist Poland. Topics include the interplay between literature and ideology, private and public spaces, “Polish complex,” and consumerist culture. Readings from Konwicki, Milosz, Herbert, Szymborska, Mrozek, and others.

Note: Expected to be given in 2010–11. All readings in English. Students who wish to work in the original may arrange it with the instructor.

[Slavic 174. Romantic Word, Romantic Deed]

Catalog Number: 1188

Joanna Nizynska

Half course (spring term). Hours to be arranged.



Did Polish Romantic writers compensate for their country's political failures by fashioning new identities? How did the redemptive narratives spun by Mickiewicz and Slowacki shape the national and cultural identity of their readers? This course focuses on Polish Romantic literature and its complex aspirations to historical, political, and aesthetic critique and explores how the literature's national idiosyncrasies reflected (and clashed with) the larger philosophical and aesthetic principles of the Romantic era.

Note: Expected to be given in 2010–11. All readings in English. Students who wish to work in the Polish original may arrange a special section with the instructor.

Slavic 176. Between Avant-Garde and Catastrophism: The Interwar Period in Polish Literature

Catalog Number: 9878

Joanna Nizynska

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

This survey of the varied manifestations of modernism in independent Poland between the wars also investigates the artistic and ideological tension between the international and the local in the activities (including visual arts) of the First and Second Vanguard, Futurism, Skamander, and other movements. Readings include prose, poetry, drama by Gombrowicz, Schulz, Witkacy, Tuwim, Przybys, and others.

Note: All readings in English.

Slavic 177. Polish Literature After 1989: the Arrival of the Others - (New Course)

Catalog Number: 66961

Joanna Nizynska

Half course (fall term). Tu., 2–4; F., at 10. EXAM GROUP: 16, 17

With the fall of Communism, Polish communal identity suffered a traumatic breakdown. This course investigates the emergence and treatment of otherness in Polish literature from 1989 to the present, discussing the forms of nostalgia and aggression that arise when a culture responds to new forms of otherness: ethnic (e.g., Jewish and German), gender and sexuality (feminism and queer), social and generational groups (e.g., the post-communist "McDonalds generation"). Readings from Chwin, Huelle, Maslowska, Stasiuk, Tryzna, Tulli.

Note: All readings in English.

[Slavic 180. Russian Symbolist Poetry]

Catalog Number: 6333

John E. Malmstad

Half course (fall term). M., 3–5.

A survey of the history of the Symbolist movement in Russia with emphasis on close reading of poetry by its major figures.

Note: Expected to be given in 2010–11.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 181. Russian Poetry of the 19th Century]

Catalog Number: 3307

John E. Malmstad

Half course (fall term). M., 3–5.



The major themes and modes of Russian poetry from pre-Romanticism to “pure art.” Selections from Zhukovsky, Batiushkov, Baratynsky, Yazykov, Lermontov, Tiutchev, Nekrasov, Fet, and others.

Note: Expected to be given in 2010–11.

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

Slavic 182. Problems in 20th-Century Poetry: Conference Course

Catalog Number: 3489

John E. Malmstad

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An examination of the poetry and poetics of three writers—Annensky, Kuzmin, and Khodasevich—whose works raise questions about the validity and usefulness of the ways in which scholarship categorizes early 20th-century poetry in terms of “isms” like Symbolism and Acmeism.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 186. Poetry after Brodsky: How Russian Is It?]

Catalog Number: 9918

Stephanie Sandler

Half course (fall term). Tu., 2–4.

Studies poetic practice since 1970. Includes Brodsky, Fanailova, Khersonskii, Khvostenko, Kibirov, Krivulin, Mnatsakanova, Petrova, Prigov, Sedakova, Shvarts, and Tsvetkov. Considers issues of translation, emigration, diaspora, audience, and connections to other art forms.

Note: Expected to be given in 2010–11. Open to qualified undergraduates with permission of instructor.

Prerequisite: Good reading knowledge of Russian.

[Slavic 192. Literature as Institutions: Conference Course]

Catalog Number: 6120 Enrollment: Limited to 15.

William Mills Todd III

Half course (spring term). M., 1–3.

A study of literary production, dissemination, and reception in selected periods of Russian literature from the Middle Ages to the present. Readings in social theory, cultural studies, literary criticism, and imaginative literature.

Note: Expected to be given in 2010–11. Open to advanced undergraduates and graduates. Students must pick up a syllabus in Barker 374 before the term begins, as there will be a brief assignment for the first class meeting.

[Slavic 195. Myths of Central Europe after World War II: Conference Course]

Catalog Number: 4701

Jonathan H. Bolton

Half course (fall term). W., 2–4.

For Milan Kundera, Central Europe was the kidnapped conscience of the West; for Gyorgy Konrad it was “a subversive dream,” for Josef Kroutvor a “melancholy grotesque.” Considers major authors (Kundera, Kis, Milosz, Havel, Manea, Albahari) and key motifs and situations (war, Nazi and Soviet occupations, interrogation, censorship, dissidents, “anti-politics”) that have



defined a “Central European” literature and identity in Austria, Czechoslovakia, Poland, Hungary, Romania, and Yugoslavia since World War II.

Note: Expected to be given in 2010–11. All readings in English.

[Slavic 196. Literature and Nationalism in Central Europe: Conference Course]

Catalog Number: 1449

Jonathan H. Bolton

Half course (fall term). Tu., 2–4.

Interdisciplinary, comparative introduction to construction of national identity through literature in 19th-century Central Europe (Czech lands, Poland, Hungary), with comparative study of Germany and Britain. How do authors come to see themselves as “embodying” or “representing” nations - and how do they escape from the shackles of a narrow national interest? Readings include Herder, *Tales of Ossian*, Macha, Neruda, Zeromski, Kafka, as well as Anderson, Gellner, Jameson, Bakhtin, and other theorists.

Note: Expected to be given in 2010–11. All readings in English.

[Slavic 197. Rebels With A Cause: Dissident Culture in Central Europe: Conference Course]

Catalog Number: 8810

Joanna Nizynska and Jonathan H. Bolton

Half course (fall term). Th., 2–4.

Who were the people who brought down the Berlin Wall? From dissident philosophy to dissident fashion, this course examines the ideology, genealogy, semiotics, and cultural background of opposition movements such as Solidarity in Poland, Charter 77 in Czechoslovakia, and others; we discuss “anti-politics,” civil society, collaboration and the “gray zone,” samizdat, women’s perspectives, and other themes. Readings from Havel, Kolakowski, Kundera, Michnik, Milosz, Zagajewski; films by Menzel, Kieslowski and others.

Note: Expected to be given in 2011–12. All readings are in English.

Cross-listed Courses

[History 1114 \(formerly History 1514\). Early Modern Eastern Europe \(1450-1795\)](#)

[History 1270. Frontiers of Europe: Ukraine since 1500](#)

[Linguistics 110. Introduction to Linguistics](#)

[\[Literature 102. On Narrative\]](#)

[Literature 160 \(formerly Comparative Literature 160\). Literary Forgeries and Mystifications](#)

[\[Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course\]](#)

[\[Literature 178 \(formerly Slavic 178\). Trauma: Representation, Theory, Experience: Conference Course\]](#)

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts](#)

Primarily for Graduates



[Slavic 222. 20th-Century Ukrainian Poetry]

Catalog Number: 2638

George G. Grabowicz

Half course (fall term). W., 2–4.

A survey of the major poets and movements: Tychyna, the neo-classicists, Bazhan, the futurists, the Prague group, Antonych, Svidzins'kyj, émigré poetry, the New York group, late Soviet and post-Soviet poetry.

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 223. 19th-Century Ukrainian Poetry

Catalog Number: 2097

George G. Grabowicz

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A survey of the major poets: Kotljarevs'kyj, Hulak and the pre-Romantics, Shevchenko, Kulish, Rudans'kyj, Franko, and Lesja Ukrajinka.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 224. Pavlo Tychyna and His Age]

Catalog Number: 6177

George G. Grabowicz

Half course (spring term). Tu., 2–4.

The poetry of Pavlo Tychyna, from the pre-*Sonjashni klarnety* period to posthumous rediscovery; his reception; his interaction with major contemporaries (Zerov, Bazhan and others); his impact on other major poets (Barka).

Note: Expected to be given in 2012–13.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 269. Structure of Russian for Instructors

Catalog Number: 7807

Patricia R. Chaput

Half course (fall term). Tu., F., 2–4. EXAM GROUP: 7, 8, 16, 17

Survey of the structures and rules of Russian from the viewpoint of the instructor. Linguistic description, translation into pedagogical form, formulation at different levels of study, questions of usage, changing norms. Includes practice in difficult constructions.

Note: To be taken the first semester of language teaching.

Slavic 280r. Slavic Culture: Seminar

Catalog Number: 1909

Michael S. Flier

Half course (spring term). Th., 10–12.

Topic for 2009-10: The Culture of Medieval Rus': Art, Architecture, Ritual, Literature.

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930]

Catalog Number: 1058

Svetlana Boym



Half course (spring term). W., 2–4.

Examines poetry, prose and visual arts together with cultural theory. Explores issues of innovation and cultural memory, art and politics, bilingualism and exile. Works by Mayakovsky, Malevich, Mandelshtam, Tsvetaeva, Babel, Shklovsky, Nabokov, Vertov, and Eisenstein.

Note: Expected to be given in 2010–11. Most texts available in English. Open to qualified undergraduates.

Prerequisite: Reading knowledge of Russian.

Slavic 282 (formerly Slavic 141). Literature, Film, and Visual Art in Contemporary Russia

Catalog Number: 1286

Svetlana Boym

Half course (fall term). W., 3-5. EXAM GROUP: 8, 9

Examines Russian culture from socialist realism to postcommunism. Topics: Socialist realist film, literature of the Gulag, writers' trials, non-confirmist art and rethinking of history, utopia and kitsch. Works by Shalamov, Nabokov, Sinyavsky-Tertz, and others.

Note: Most materials also available in English. Open to qualified undergraduates.

Prerequisite: Reading knowledge of Russian.

[Slavic 285r. Modern Russian Literature: Seminar]

Catalog Number: 5182

John E. Malmstad

Half course (spring term). M., 3–5.

Topic for 2008-09: The culture of Russian avant-garde.

Note: Expected to be given in 2010–11.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

Slavic 289. Elegy: The Art of Losing - (New Course)

Catalog Number: 56141

Stephanie Sandler

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Poems, films, visual artifacts, and music alongside theories of loss. Focuses on non-narrative forms, with examples from Pushkin, Baratynsky, Fet, Brodsky, Shvarts; Tarkovsky, Shemiakin, Sokurov; Silvestrov, Sebald.

Note: Open to qualified undergraduates.

Prerequisite: Reading knowledge of Russian.

[Slavic 291. Problems in the History of Early Ukrainian Literature]

Catalog Number: 0643

George G. Grabowicz

Half course (fall term). W., 2–4.

Examines Kievan and early Ukrainian literature. Topics include the system of genres of Kievan literature, the Renaissance and interaction with Polish literature, the confraternities, Vyshens'kyj, the Baroque, the Mohyla Academy, Skovoroda.

Note: Expected to be given in 2011–12.

Prerequisite: Reading knowledge of Ukrainian.



[Slavic 292. 20th-Century Ukrainian Prose]

Catalog Number: 5733

George G. Grabowicz

Half course (fall term). M., 2–4.

A survey of Ukrainian prose focusing on the avant-garde of the 1920s-1940s (Khvyl'ovyy, Johansen, Domontovych, Kosach) and the most recent period (Andijevs'ka, Andrukhovych, Izdryk and others).

Note: Expected to be given in 2010–11.

Prerequisite: Reading knowledge of Ukrainian.

***Slavic 299. Proseminar**

Catalog Number: 7972

Justin Weir

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Open to qualified undergraduates with permission of the instructor.

Cross-listed Courses

Comparative Literature 256. Archeology of Modernity and Visual Culture - (New Course)

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

[Comparative Literature 275. Theory of Narrative: Conference Course]

Linguistics 250. Old Church Slavonic

Graduate Courses of Reading and Research

***Slavic 300. Direction of Doctoral Dissertations**

Catalog Number: 4477

Jonathan H. Bolton 4892 (on leave 2009-10), Svetlana Boym 1926, Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219, Joanna Nizynska 4891, Stephanie Sandler 1343, William Mills Todd III 1634 (on leave 2009-10), and Justin Weir 3407

***Slavic 301. Reading and Research**

Catalog Number: 3385

Jonathan H. Bolton 4892 (on leave 2009-10), Svetlana Boym 1926, Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878, George G. Grabowicz 4511, John E. Malmstad 1219, Joanna Nizynska 4891, Stephanie Sandler 1343, William Mills Todd III 1634 (on leave 2009-10), and Justin Weir 3407

Half course (fall term; repeated spring term). Hours to be arranged.



Social Policy

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Social Policy

Bruce Western, Professor of Sociology (*Chair*)
Kathryn Edin, Professor of Public Policy and Management (*Kennedy School*) (*Director of Graduate Studies*)
Jennifer L. Hochschild, Harvard College Professor, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies (*Director of Graduate Studies*) (*on leave fall term*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology
William Julius Wilson, Lewis P. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in Social Policy

Mary C. Brinton, Reischauer Institute Professor of Sociology
David T. Ellwood, Scott Black Professor of Political Economy (*Kennedy School*)
Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)
Torben Iversen, Harold Hitchens Burbank Professor of Political Economy
Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies
Jeffrey B. Liebman, Malcolm Wiener Professor of Public Policy (*Kennedy School*)
Peter V. Marsden, Harvard College Professor, Edith and Benjamin Geisinger Professor of Sociology
Orlando Patterson, John Cowles Professor of Sociology (*on leave spring term*)
Paul E. Peterson, Henry Lee Shattuck Professor of Government (*on leave 2009-10*)
Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
Robert J. Sampson, Henry Ford II Professor of the Social Sciences
Sidney Verba, Carl H. Pforzheimer University Professor, Emeritus
Mary C. Waters, M. E. Zukerman Professor of Sociology (*on leave 2009-10*)
Martin K. Whyte, Professor of Sociology (*on leave fall term*)
Julie Boatright Wilson, Harry S. Kahn Senior Lecturer on Social Policy (*Kennedy School*)
Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

This program awards two different degrees: the PhD in Government and Social Policy and the PhD in Sociology and Social Policy. Both of these programs are joint degrees that provide students a thorough grounding in one of these two traditional disciplines and then move them into a series of interdisciplinary seminars on social policy based at the Kennedy School of Government. Students submit applications for admission to the Committee on Higher Degrees in Social Policy, which must be accepted as well by the admissions committee of either the Department of Government or the Department of Sociology. From the very beginning of their graduate careers, then, students are taught and supervised by faculty from government, sociology and the Malcolm Wiener Center for Social Policy in the Kennedy School.



This degree is intended for students who have central interests in problems of economic inequality; segregation; poverty; changing family structure; immigration, race, and labor market segmentation; educational inequality; and historical and comparative studies of inequality in the US and abroad (especially Western Europe). It will be of particular interest for students who wish to combine solid training in the fundamental theoretical perspectives and methodological traditions of either government or sociology with advanced study of policy responses to these social problems. Students who would like the flexibility to pursue careers in departments of sociology or government, in schools of public policy, and in policy and other non-profit organizations may find these joint degrees especially suitable.

Students in the joint degree programs are eligible to apply for the Multidisciplinary Program on Inequality and Social Policy at the end of their first year of study. This training and fellowship program provides for summer institutes, research apprenticeships, and a variety of other opportunities. Please see the website www.ksg.harvard.edu/inequality for more details.

Applications for admission to the PhD programs in Social Policy may be obtained from the Graduate School of Arts and Sciences, Admissions Office, 1350 Massachusetts Avenue, Holyoke Center 350, Cambridge, MA 02138. Further information about the joint degree programs may be obtained from the program website (www.hks.harvard.edu/socialpol). Questions or requests for additional printed materials should be directed to Pamela Metz, Director, via e-mail (social—policy@harvard.edu) or correspondence addressed to her attention at the Kennedy School of Government, 79 John F. Kennedy Street, Cambridge, MA 02138.

Graduate Courses of Reading and Research

***Social Policy 300. Reading and Research**

Catalog Number: 6290

Members of the Committee

***Social Policy 301. Research and Social Policy Seminar**

Catalog Number: 3704

Bruce Western 5763

Half course (fall term; repeated spring term). Fall: Tu., 12–1:30.

Presentation of dissertation prospectus or chapters-in-progress. Required of advanced doctoral candidates in Social Policy.

***Social Policy 302. Doctoral Dissertation Research**

Catalog Number: 9707

Members of the Committee

***Social Policy 303. Introduction to Social Policy Research - (New Course)**

Catalog Number: 56297

Bruce Western 5763

Required of and limited to first-year Ph.D. students in Social Policy. Explores current issues in Social Policy research based on the Multidisciplinary Program in Inequality & Social Policy



Seminar Series.

Prerequisite: Limited to first-year Ph.D. students in Social Policy.

Cross-listed Courses

***Government 2340b. Social Policy II**

***Sociology 307. Proseminar on Inequality and Social Policy III**

Social Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Social Studies

Richard Tuck, Frank G. Thomson Professor of Government (*Chair*)

David R. Armitage, Lloyd C. Blankfein Professor of History

Eric Beerbohm, Assistant Professor of Government and of Social Studies (*on leave 2009-10*)

Anya Bernstein, Senior Lecturer on Social Studies

Richard N. Cooper, Maurits C. Boas Professor of International Economics (*on leave fall term*)

Michael Frazer, Assistant Professor of Government and of Social Studies

Peter E. Gordon, Professor of History

Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)

Michael J. Hiscox, Clarence Dillon Professor of International Affairs (*on leave spring term*)

Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor

Andrew Jewett, Assistant Professor of History and of Social Studies (*on leave 2009-10*)

James T. Kloppenberg, Charles Warren Professor of American History

Steven R. Levitsky, Professor of Government

Charles S. Maier, Leverett Saltonstall Professor of History

Jens Meierhenrich, Assistant Professor of Government and of Social Studies (*on leave fall term*)

Michael E. Rosen, Professor of Government (*on leave spring term*)

Nancy Lipton Rosenblum, Senator Joseph S Clark Professor of Ethics in Politics and Government

Emma Rothschild, Jeremy and Jane Knowles Professor of History (*on leave spring term*)

Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government (*on leave spring term*)

Ajantha Subramanian, Morris Kahn Associate Professor of Anthropology and of Social Sciences

Judith Surkis, Associate Professor of History and of History and Literature

Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies (*on leave 2009-10*)

Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

Daniel F. Ziblatt, Paul Sack Associate Professor of Political Economy



Primarily for Undergraduates

***Social Studies 10a. Introduction to Social Studies**

Catalog Number: 5278

Richard Tuck, Michael Frazer and members of the Committee

Half course (fall term). Tu., 2-4, and a weekly section Th., 2-4. EXAM GROUP: 16, 17

This course offers an introduction to the classic texts of social theory of the eighteenth and nineteenth centuries. Our focus will be on the rise of democratic, capitalist societies and the concomitant development of modern moral, political, and economic ideas. Authors we will examine include Jean-Jacques Rousseau, Adam Smith, Alexis de Tocqueville, John Stuart Mill, and Karl Marx.

Note: This course is limited to sophomores and Social Studies concentrators. This course is a prerequisite for sophomores applying to Social Studies. Students planning to take this class must attend the first lecture to be admitted.

***Social Studies 10b. Introduction to Social Studies**

Catalog Number: 5097

Richard Tuck, Michael Frazer and members of the Committee

Half course (spring term). Tu., 2-4, and a weekly section Th., 2-4.

This class continues the introduction to the classic texts of social theory begun in Social Studies 10a through the twentieth century. Authors include Friedrich Nietzsche, Max Weber, Emile Durkheim, Sigmund Freud, and Michel Foucault.

Note: This course is limited to Social Studies concentrators who have taken Social Studies 10a.

Social Studies 40. Philosophy and Methods of the Social Sciences

Catalog Number: 0476

Thomas Ponniah

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This course integrates research methods with an investigation of the philosophical foundations of the social sciences. Topics covered include causal explanation, interpretation, rational choice and irrationality, relativism, collective action, and social choice.

***Social Studies 91r. Supervised Reading and Research**

Catalog Number: 9855

Anya Bernstein and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in Social Studies on a topic not covered by regular courses of instruction.

Permission of the Director of Studies required.

***Social Studies 99. Tutorial — Senior Year**

Catalog Number: 7501

Anya Bernstein

Full course. Hours to be arranged.

Writing of senior honors essay.

Note: Required for concentrators.



Social Studies 98 — Junior Tutorials: Fall Term

Note: Admission is based on student preferences and a lottery system. Undergraduate non-concentrators may enroll in these tutorials if space is available.

***Social Studies 98ax. Development and Modernization: A Critical Perspective**

Catalog Number: 0752 Enrollment: Limited to 10.

Stephen A. Marglin

Half course (fall term). M., 4–6.

What assumptions about human beings underlie the conviction that development and modernization constitute progress, that the developed West points the way for the rest of the world? Does economic growth involve a package that necessarily changes the society, the polity, and the culture along with the economy? This tutorial provides a framework for thinking about these questions, both in the context of the West, and in the context of the Third World.

Note: This course will be lotteried.

***Social Studies 98eo. Culture and Society**

Catalog Number: 2114 Enrollment: Limited to 10.

Kiku Adatto

Half course (fall term). M., 2–4.

The course explores various approaches to the study of culture, drawing on studies in anthropology, history, philosophy, sociology, literature and photography. Among the questions addressed are: How is historical memory constructed, and what are the competing forces that shape it? How do advertisements, photography, and film document cultural change? How is culture tied to power, domination, and resistance?

Note: This course will be lotteried. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***Social Studies 98fu. Practicing Democracy: Leadership, Community, Power**

Catalog Number: 7432 Enrollment: Limited to 10.

Marshall L. Ganz

Half course (fall term). Tu., 7–9 p.m.

Making democracy work requires an “organized” citizenry with power to assert its interests effectively. Yet US political participation declines, growing more unequal, as new democracies struggle to make citizen participation possible. Students learn to address public problems by organizing: developing leadership, building community and mobilizing power. Our pedagogy links sociological, political science, and social psychology theory with democratic practice.

Note: Ten hours per week of field work required. This course will be lotteried.

***Social Studies 98hg. The Rule of Law**

Catalog Number: 8107 Enrollment: Limited to 10.

Verity Smith

Half course (fall term). W., 4–6.

This tutorial introduces students to twentieth-century legal theory via recent debates about the traditional ideal of “the rule of law.” It focuses in particular on perspectives from which the notion of the rule of law as objective or value-neutral has been criticized and defended. Thinkers



considered may include: Weber, Schmitt, Neumann, Hayek, Austin, Hart, Fuller, Raz, Pashukanis, Althusser, Kelsen, Habermas, Bourdieu, Dworkin, Posner, Unger, Kennedy, Cover, West, Lowi, Nonent, and Selznick.

Note: This course will be lotteried.

***Social Studies 98iz (Critics of Enlightenment). Critics of Modernity: Marx, Nietzsche, and the Frankfurt School**

Catalog Number: 3515 Enrollment: Limited to 10.

Bo-Mi T. Choi

Half course (fall term). W., 2–4:30.

This tutorial traces the vicissitudes of Marx and Nietzsche in the works of the Frankfurt School. Its aim is to deepen students' knowledge of the historical continuities and discontinuities of concepts and debates on psyche, labor, and art from the perspective of critical theory. Particular emphasis is placed on critiques of modernity and mass culture and society by Horkheimer, Adorno, and Benjamin.

Note: This course will be lotteried.

***Social Studies 98ja. Children, Families, and the State**

Catalog Number: 6104 Enrollment: Limited to 10.

Anya Bernstein

Half course (fall term). W., 1:30–3:30.

This course explores the special status of children and families in American society and politics. We consider social protections for children and families and examine the role of the state in marriage, parenting, and the education of children and adolescents. Topics include child abuse and neglect, divorce and single parenthood, social class and parenting styles, and the relationship between families and schools.

Note: This course will be lotteried.

***Social Studies 98jn. International Human Rights: The Challenge of Protecting Vulnerable Populations**

Catalog Number: 9219 Enrollment: Limited to 10.

Jacqueline Bhabha

Half course (fall term). M., 3–5.

Since World War II, human rights have moved from the margins of international law and politics to the center. This tutorial will introduce students to some of the main human rights instruments and institutions, both international and regional. It will use this legal framework to ask and explore what rights are protected, which vulnerable populations have special claims to protection, and what legal and practical instruments are available to them. It will explore the strengths and weaknesses of different intervention strategies.

Note: This course will be lotteried.

***Social Studies 98le. Social Movements and Social Change - (New Course)**

Catalog Number: 60633 Enrollment: Limited to 10.

Rachel Meyer

Half course (fall term). M., 1–3.

This course will examine both the causes and consequences of social movements, attending to a



variety of research programs on social movements, revolutions and collective action. Discussion will revolve around the multiple levels and dimensions of social change: micro versus macro, structural versus ideological, state-level versus personal transformations. Theoretical explorations will be grounded in a series of cases studies from the labor movement, civil rights movement, student movements, revolutionary movements, and others.

Note: This course will be lotteried.

***Social Studies 98li. Ethnic and Religious Conflict in East and South Asia - (New Course)**

Catalog Number: 12939 Enrollment: Limited to 10.

Kevin N. Caffrey

Half course (fall term). W., 3–5.

The course will examine cultural, social, and political manifestations of difference and context in confrontation by examining cases of ethnic and religious conflict from East, Southeast, and South Asia. We will first examine dominant understandings of difference in these regions, then we will read ethnographic examples from the region. This will bring our attention to recent issues of ethno-religious discord in Sri Lankan civil war; communal violence in India; ethnic wars in Burma (Myanmar); discord among the Muslim, Tibetan, and Han Chinese; the Acehnese struggle for independence in Indonesia; and Muslim "insurgency" in both the Philippines and southern Thailand. The course will bring critical attention to bear on the issues of ethnicity, religion, and conflict in a trajectory from imperial/colonial to national settings across Asia.

Note: This course will be lotteried.

***Social Studies 98lj. The Latin American Quest for Development and Equality - (New Course)**

Catalog Number: 79568 Enrollment: Limited to 10.

Sergio Silva-Castaneda

Half course (fall term). Th., 2–4.

Latin American economic history had been a difficult and frustrating quest for sustained and equalitarian economic growth. This quest has included periods of outstanding economic performance, but these are usually followed by economic catastrophes. Brief moments when inequality seemed to recede were likewise followed by social disasters. The intention of this course is to expose students to the main topics and debates in Latin American economic history about this region's failure to overcome economic backwardness, poverty, and inequality.

Note: This course will be lotteried.

***Social Studies 98lk. International Migration: Critical Perspectives for the 21st Century - (New Course)**

Catalog Number: 77195 Enrollment: Limited to 10.

Rebecca B. Galemba

Half course (fall term). W., 2–4.

This course examines various perspectives on international migration and the social, cultural, economic, and political dimensions of movement. The course examines labor migration, forced migration and refugee processes, trafficking, and the relation of migratory processes to transnational citizenship, violence and displacement, development, gender and sexuality, race and ethnicity, and kinship and the family.

Note: This course will be lotteried.



***Social Studies 98ln. Political Thought of Rousseau - (New Course)**

Catalog Number: 93757 Enrollment: Limited to 10.

Patrick T. Riley

Half course (fall term). Th., 2–4.

The main political and educational writings of Rousseau, with emphasis on "the general will one has as a citizen."

Note: This course will be lotteried.

Social Studies 98 — Junior Tutorials: Spring Term

***Social Studies 98cl. Law and American Society**

Catalog Number: 7389 Enrollment: Limited to 10.

Terry K. Aladjem

Half course (spring term). Th., 2–4.

Examines law as a defining force in American culture and society in four dimensions—as it establishes individual rights, liberties, and limits of toleration; as it attempts to resolve differences among competing constituencies; as it sets out terms of punishment and social control, and as a source of informing images and ideological consistency.

Note: A prison trip is planned, subject to approval. This course will be lotteried.

***Social Studies 98gf. Modernity and Social Change in East Asia**

Catalog Number: 5553 Enrollment: Limited to 10.

Nicole D. Newendorp

Half course (spring term). W., 1–3.

Examines the interconnections between modernity and social change in contemporary China, Japan, and Korea. Explores how modernity is conceptualized by both state and society actors and how these visions fuel change at local and national levels. Particular attention will be paid to issues of social protest, migration, consumption, gender, ethnicity, and family life in both rural and urban locations. Readings focus on ethnographic case studies and the effects of modernity on everyday life experience.

Note: This course will be lotteried.

***Social Studies 98jw. Citizenship Rights: Theory and Practice**

Catalog Number: 5378 Enrollment: Limited to 10.

Theodore Macdonald

Half course (spring term). Tu., 2–4.

The Cold War's demise brought to the fore new rights claims by groups—e.g. participation, recognition, and equity. Focusing on major theories and debates on multiculturalism, recognition, redistribution, liberalism, group rights, and self-determination, the tutorial explores the illusive and controversial "what" and the "why" of the claims. Then, asking the "how," demands are explored as international human rights, contextualized in case studies that locate claims within local politics, contested histories, and globalization.

Note: This course will be lotteried.

***Social Studies 98kg. The Politics of Health and Welfare in the Developing World**

Catalog Number: 0037 Enrollment: Limited to 10.



Nara Dillon

Half course (spring term). W., 1–3.

Although health and welfare are often considered secondary to economic growth in the political economy of development, they lie at the heart of the issue of inequality—whether it is inequality in incomes or life spans. After a survey of different theoretical approaches to the politics of health and welfare, students will read a variety of empirical research drawn from Asian, Latin American, and African cases.

Note: This course will be lotteried.

***Social Studies 98kj. Religion and Politics in Modern America**

Catalog Number: 6394 Enrollment: Limited to 10.

K. Healan Gaston

Half course (spring term). Tu., 2:30–4:30.

Introduces key themes and problems in the study of religion and politics in modern America. Includes sections on political affiliation and electoral behavior, Supreme Court decisions, grassroots movements of the left and right, policy formation, foreign policy, political theory, the culture wars, and global politics. Devotes special attention to debates about the implications of America's religious diversity, the role of religion in a democracy, church-state relations, and the secularization or de-Christianization of American public life.

Note: This course will be lotteried.

***Social Studies 98la. Race, Space and Identity in the American City - (New Course)**

Catalog Number: 34706 Enrollment: Limited to 10.

Jennifer Rene Darrah

Half course (spring term). W., 4–6.

Introduces core concepts and theories from urban sociology and urban politics. Emphasizes race, immigration, and ethnic identity in space. Topics include racial and economic segregation, immigrant enclaves, spatial assimilation, urban inequality, and racial identity in the city. Also engages with questions about the autonomy of local communities to challenge poverty and disadvantage.

Note: This course will be lotteried.

***Social Studies 98lb. Conceptions of Democracy in French Political Thought - (New Course)**

Catalog Number: 37411 Enrollment: Limited to 10.

Stanley Hoffmann

Half course (spring term). W., 4–6.

This tutorial will examine the ideas about democracy in the works of Montesquieu, Rousseau, Constant, Tocqueville, Proudhon, Jaurès, Alain, Aron and de Gaulle.

Note: This course will be lotteried.

***Social Studies 98lc. Darwinism and Social Thought - (New Course)**

Catalog Number: 52518 Enrollment: Limited to 10.

Alexander T. Schulman

Half course (spring term). W., 3–5.

Examines both the history of and present controversies surrounding the application(s) of



Darwinian Theory, broadly speaking, to social and political thought in the West. Asks how and why "Social Darwinism" went from being a popular motif to being virtually banned in the social sciences to re-emerging in a modified - but how modified? - form. Topics to be discussed include: what Darwin actually said; original appropriations (or misappropriations) of evolutionary theory; the replacement of "scientific racism" by culturalist/constructivist anti-racism in 20th century social science; the return of Darwinism via the "Sociobiology" controversy; genetics and politics; the relationship between biology and culture; the new study of "memes"; sexual politics; the politics of human uniqueness.

Note: This course will be lotteried.

***Social Studies 98ld. Aesthetics and Modernity - (New Course)**

Catalog Number: 61424 Enrollment: Limited to 10.

Ludmila Ludmilova Guenova

Half course (spring term). M., 3–5.

What is the nature of aesthetic judgment? Are aesthetic judgments objective or merely reports on our private preferences? What is the relation between aesthetic and moral or political judgment? Does art play a significant role in the validation of social norms? How do institutions affect our appreciation of art? Is the aesthetic merely an attitude reinforced by museums or other social preconditions? Or is there something like an autonomous realm of beauty? These questions will guide us as we explore modern aesthetic theory from its idealist origins in Kant, Schiller, and Hegel, followed by Nietzsche, and concluding with contemporary philosophers of art such as Benjamin, Heidegger, Greenberg, Danto, and Nehamas.

Note: This course will be lotteried.

***Social Studies 98lf. Globalization and the Nation State - (New Course)**

Catalog Number: 68748 Enrollment: Limited to 10.

Nikolas Prevelakis

Half course (spring term). Tu., 6-8pm.

Despite globalization, the nation is still a major actor in today's world. This course tries to understand why this is so by examining the role that nationalism plays in peoples' identities and the effects of globalization on nations and nationalism. Examples from the United States, Western Europe, Latin America, India, and the Middle East.

Note: This course will be lotteried.

***Social Studies 98lg. Islam in France, Germany, and the UK - (New Course)**

Catalog Number: 53641 Enrollment: Limited to 10.

Melanie Adrian

Half course (spring term). Th., 2–4.

This course looks at contemporary Muslim identity in Germany, France and the UK. After situating Islam historically and conceptually, we will examine themes such as secularism, interpretation, and modernity through the lenses of Muslims and the non-minority national communities. We will use texts from a variety of disciplines including anthropology, religious studies, sociology, and political science.

Note: This course will be lotteried.



***Social Studies 98lh. Education and American Society - (New Course)**

Catalog Number: 83855 Enrollment: Limited to 10.

Chiwen Bao

Half course (spring term). W., 2–4.

Explores how education has been and continues to be a central institution of American society, reflecting social ideals and ideologies while also directly shaping the contours and structures of society in both productive and detrimental ways. Examines different philosophical foundations of formal learning and how those theories have become manifested across time in various educational practices. Investigates how schools currently operate, specific issues the American educational system faces, and the implications of various schooling practices for structuring American society.

Note: This course will be lotteried.

***Social Studies 98lm. Humanitarian Intervention - (New Course)**

Catalog Number: 25673 Enrollment: Limited to 10.

Scott P. Staring

Half course (spring term). M., 2–4.

This course will examine the changing nature of humanitarian intervention since the end of the Cold War, with particular emphasis on the current NATO-led mission in Afghanistan. The readings will offer a broad survey of the different methods and means of modern intervention, as well as an introduction to some of the more theoretical debates over the different ends and justifications provided for intervention today.

Note: This course will be lotteried.

Cross-listed Courses

[History 1345. The Human Sciences in the Modern West]

[Societies of the World 17 (formerly Social Studies 50). Genocide]

Sociology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Sociology

Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*Chair*)

Laura L. Adams, Preceptor in Expository Writing, Lecturer on Sociology (*fall term only*)

David L. Ager, Lecturer on Sociology (*Co-Director of Undergraduate Studies*)

Matthew Baggetta, College Fellow in the Department of Sociology

Jason Beckfield, Assistant Professor of Sociology (*Co-Director of Undergraduate Studies*) (*on*



leave spring term)

Lawrence D. Bobo, W. E. B. Du Bois Professor of the Social Sciences

Anthony A. Braga, Lecturer on Sociology

Mary C. Brinton, Reischauer Institute Professor of Sociology

Nicholas A. Christakis, Professor of Sociology (FAS), Professor of Medical Sociology in the Department of Health Care Policy (*Medical School*) (*on leave spring term*)

Frank Dobbin, Professor of Sociology (*Director of Graduate Studies*)

Jorge Duany, Visiting Professor of Sociology (*fall term only*)

Filiz Garip, Assistant Professor of Sociology (*on leave 2009-10*)

Luisa Laura Heredia, Lecturer on Sociology

Tamara Kay, Assistant Professor of Sociology (*on leave spring term*)

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies

Peter V. Marsden, Harvard College Professor, Edith and Benjamin Geisinger Professor of Sociology

Rachel Meyer, Lecturer on Social Studies, Lecturer on Sociology (*fall term only*)

Timothy Nelson, Lecturer on Sociology (*Kennedy School*)

Orlando Patterson, John Cowles Professor of Sociology (*on leave spring term*)

Claude Rosental, Visiting Professor of Sociology (*spring term only*)

Theda Skocpol, Victor S. Thomas Professor of Government and Sociology

Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies (*on leave 2009-10*)

Mary C. Waters, M. E. Zukerman Professor of Sociology (*on leave 2009-10*)

Bruce Western, Professor of Sociology

Martin K. Whyte, Professor of Sociology (*on leave fall term*)

William Julius Wilson, Lewis P. and Linda L. Geyser University Professor

Christopher Winship, Diker-Tishman Professor of Sociology (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Sociology

Kathryn Edin, Professor of Public Policy and Management (*Kennedy School*)

Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)

Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)

Stanley Lieberson, Abbott Lawrence Lowell Professor of Sociology, Emeritus

Christopher Marquis, Assistant Professor of Business Administration (*Business School*)

Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*)

Introductory Courses

Sociology 10. Introduction to Sociology

Catalog Number: 4814

Luisa Laura Heredia

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduces students to the main objects and goals of Sociology—both for sociology concentrators and curious non-concentrators. Explores the theories of classical authors in the history of sociology (such as Marx, Durkheim, Weber, and beyond). Examines major topics in sociological research (including but not limited to social problems, deviance, inequality, social change,



culture, education, social interaction).

Note: May be counted for introductory concentration requirement, if letter-graded.

[Sociology 21. Work and the New Economy]

Catalog Number: 8575

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Explores changes in the nature of work and the workplace in recent years. Particular emphasis to trends in wage inequality, conditions of low- and highly-paid work, changes in the requirements of professions, rise of "contingent" and part-time employment, relationship between work and technology, and processes that affect people's work lives inside organizations, with some attention to international comparisons and employment policies.

Note: Expected to be given in 2010–11. May be counted for introductory concentration requirement, if letter-graded.

[Sociology 22. Gender and the Economy]

Catalog Number: 7997

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Familiarizes students with central issues and theoretical perspectives regarding gender inequality in the workplace. Focuses first on long-term changes in women's economic participation and in the gendered division of labor as societies undergo processes of industrialization and post-industrialization, then more specifically on the US and on recent changes in workplace inequality and in the family-work interface.

Note: Expected to be given in 2010–11. May be counted for introductory concentration requirement, if letter-graded.

[Sociology 24. Introduction to Social Inequality]

Catalog Number: 9417 Enrollment: Limited to 25.

Jason Beckfield

Half course (spring term). Hours to be arranged.

Examines individual and structural explanations for the generation and maintenance of inequality in the US with comparisons to other societies. The consequences of inequality for individuals and groups are studied.

Note: Expected to be given in 2010–11. May be counted for introductory concentration requirement, if letter-graded.

[Sociology 25. Introduction to the Sociology of Organizations](#)

Catalog Number: 3609

Frank Dobbin

Half course (spring term). M., W., at 11. EXAM GROUP: 4

Introduces the sociological study of formal organizations. Surveys basic concepts, emphases, and approaches. Attention given to processes within organizations, as well as to relationships between organizations and their environments. Topics include bureaucracy, leadership and power in organizations, interorganizational networks, and coordination among organizations.



Note: May be counted for introductory concentration requirement, if letter-graded. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Sociology 43. Social Interaction

Catalog Number: 9625

Timothy Nelson (Kennedy School)

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Drawing from social psychology and symbolic interaction, this course focuses on social interactions, from everyday activities like conversations and parties to demonstrations and riots. Emphasizes outside observation of various kinds and components of social interaction. The University's resident halls, classrooms, finals clubs, and the cities of Cambridge and Boston will serve as our laboratory. Students will record their observations and analyses in journal entries.

Note: May be counted for introductory concentration requirement, if letter-graded.

Cross-listed Courses

African and African American Studies 16. Sociology of the Black Community - (New Course)

African and African American Studies 147. Racial Identity, Politics, and Public Policy

Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations

[Foreign Cultures 63. China's Two Social Revolutions]

Psychology 15. Social Psychology

[Social Analysis 54. American Society and Public Policy]

Societies of the World 29. Inequality and Society in 21st Century East Asia - (New Course)

United States in the World 21 (formerly Sociology 107). The American Family

United States in the World 24 (formerly Sociology 19). Reinventing Boston: The Changing American City

Tutorials

***Sociology 91r. Supervised Reading and Research**

Catalog Number: 4449

David L. Ager and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual work in sociology under the supervision of teaching staff in the department. A graded supervised course of reading and research on a topic not covered by regular courses of instruction.

Note: Students negotiate topics on their own. A final paper must be filed in the Sociology undergraduate office.

[*Sociology 95 (formerly *Sociology 96j). Research for Nonprofits]

Catalog Number: 0136

Instructor to be determined

Half course (spring term). Hours to be arranged.

Supports students in carrying out a research project for a nonprofit organization that they are



currently working with or have an interest in. Examines how research is used in the nonprofit sector. Course combines guest lectures, discussion, and student project presentations.

Note: Expected to be given in 2010–11.

[*Sociology 96r. Community Based Research]

Catalog Number: 7425

Instructor to be determined

Half course (spring term). Hours to be arranged.

One of the few courses at Harvard that integrates students' participation in activities outside the University with course work. Course integrates readings with hands-on research projects in the Boston area. Topics vary; refer to course website for details. Previous topics have included: immigration, marginalization, adolescents, civic activity.

Note: Expected to be given in 2010–11. Both concentrators and non-concentrators are welcome to apply. Required first meeting.

Sociology 97. Tutorial in Sociological Theory

Catalog Number: 5079

David L. Ager

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 15, 16

Provides a critical understanding of selected classical and contemporary theorists, including Marx, Durkheim, Weber, Simmel, Parsons, Coleman, Collins, Bourdieu, and an up-to-date selection of avant-garde theory.

Note: Required of concentrators, ordinarily sophomores, and secondary concentrators. Required first organizational meeting for spring 2010 on Jan 25 from 5-6pm in William James Hall 105.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

David L. Ager and members of the Department

Full course. Hours to be arranged.

Supervision of theses or other honors projects.

Note: Limited to concentrators, ordinarily seniors. In addition, students of Sociology 99 may also participate in a fall term only, optional, regularly scheduled weekly group seminar for consultation and discussion about choice of problems, possible data, and research procedures.

Prerequisite: Sociology 98.

Sociology 98. Junior Tutorials

Small group research projects centered on common topics that vary by seminar, term, and year.

***Sociology 98B. Race and Crime - (New Course)**

Catalog Number: 75945 Enrollment: Limited to 10.

Lawrence D. Bobo

Half course (fall term). M., 3–5.

New research on how and why criminal justice policy in the US has such a powerfully differential negative impact on African American communities.



Note: Required of and limited to Sociology junior concentrators.

Prerequisite: Sociology 97

***Sociology 98Ba. Citizens, Associations, and American Democracy - (New Course)**

Catalog Number: 60838 Enrollment: Limited to 10.

Matthew Baggetta

Half course (fall term). W., 3–5.

Explores "What is a 'good citizen'?" in the context of American democracy and considers the role of formal voluntary associations in shaping "good" citizenship.

Note: Required of and limited to Sociology junior concentrators.

Prerequisite: Sociology 97

***Sociology 98Br. Community Justice and Public Safety - (New Course)**

Catalog Number: 24423 Enrollment: Limited to 10.

Anthony A. Braga

Half course (spring term). Hours to be arranged.

Surveys the key topics in urban sociology, focusing on community dynamics and public safety issues in American cities. A central concern will be the discussion of characteristics of neighborhoods that lead to high rates of criminality and how federal, state, and local policies not directly concerned with crime policy may nonetheless bear on crime rates. Particular attention will be paid to structural factors associated with crime, such as joblessness, and community-level institutions, such as the schools. We will also consider the potential effectiveness of a range of policy interventions to address drugs, guns, gangs and other urban crime problems. While this course aims to survey the sociological and policy research on justice and public safety problems of American cities, our unique setting - at MCI Norfolk prison - affords a special opportunity to examine these issues.

Note: Required of and limited to Sociology concentrators. Spring Junior Tutorials are by assignment only.

Prerequisite: Sociology 97

***Sociology 98H. Immigration, Politics, and Movements - (New Course)**

Catalog Number: 91052 Enrollment: Limited to 10.

Luisa Laura Heredia

Half course (spring term). Th., 1–3.

Examines immigrant integration in the political sphere with a focus on Latino immigrants. Explores immigrant politics, immigration policy, and the Immigrant Rights Movement and related movements in the United States.

Note: Required of and limited to Sociology junior concentrators.

Prerequisite: Sociology 97

[*Sociology 98K. Big Bird Goes to China: Organizations, Culture, and Globalization] - (New Course)

Catalog Number: 47313 Enrollment: Limited to 10.

Tamara Kay

Half course (spring term). W., 1–3.

Examines how different kinds of organizations and institutions work internationally and develop



relationships with international partners and counterparts..

Note: Expected to be given in 2010–11. Required of and limited to Sociology concentrators.

Spring Junior Tutorials are by assignment only.

Prerequisite: Sociology 97

***Sociology 98Ka. Arts, Culture, and Urban Neighborhoods - (New Course)**

Catalog Number: 69744 Enrollment: Limited to 10.

Matthew E. Kaliner and members of the Department

Half course (spring term). Th., 1–3.

Reviews the major traditions in urban sociology and the sociology of culture, focusing on the connections between cultural creativity and urban change.

Note: Required of and limited to Sociology concentrators. Spring Junior Tutorials are by assignment only.

Prerequisite: Sociology 97

***Sociology 98L. Race and Anti-Racism - (New Course)**

Catalog Number: 54637 Enrollment: Limited to 10.

Michèle Lamont

Half course (fall term). Tu., 1–3.

Students will familiarize themselves with the literatures on racism and anti-racism, as well as racial identity and boundaries and design their own qualitative research project.

Note: Required of and limited to Sociology junior concentrators.

Prerequisite: Sociology 97

***Sociology 98M. Social Class in the United States: Identity Culture, and Consciousness - (New Course)**

Catalog Number: 18222 Enrollment: Limited to 10.

Rachel Meyer

Half course (spring term). Hours to be arranged.

This course will review a variety of empirical and theoretical perspectives on social class in the United States with a focus on class-based identities and class consciousness.

Note: Required of and limited to Sociology concentrators. Spring Junior Tutorials are by assignment only.

Prerequisite: Sociology 97

***Sociology 98Ro. Science, Technology, and Society - (New Course)**

Catalog Number: 84851 Enrollment: Limited to 10.

Claude Rosental

Half course (spring term). Tu., 1–3.

Explores concrete ways in which scientific knowledge and technologies are produced and socially managed, and the structures of the relationship between science, technology and society at large.

Note: Required of and limited to Sociology concentrators. Spring Junior Tutorials are by assignment only.

Prerequisite: Sociology 97.



***Sociology 98W. The Changing Dynamics of Black Family Life in America - (New Course)**

Catalog Number: 33329 Enrollment: Limited to 10.

Jessica S. Welburn

Half course (spring term). W., 1–3.

Explores sociological research on the African American family over the course of the 20th and 21st centuries focusing on central debates in the field including changing family structures and class dynamics.

Note: Required of and limited to Sociology concentrators. Spring Junior Tutorials are by assignment only.

Prerequisite: Sociology 97

For Undergraduates and Graduates

Sociology 109. Leadership and Organizations

Catalog Number: 8260 Enrollment: Limited to 80. Enrollment by lottery.

David L. Ager

Half course (fall term). M., W., at 11. EXAM GROUP: 4

Focus on the sociological study of leadership emphasizing leadership in organizational settings. Topics covered: how leadership, power, influence, and social capital are interrelated; organizations as complex social systems; politics and personalities in organizational life; organization design and culture; leadership of organizational change and transformation; and creating sustainable organizations.

Note: Open to students in all fields. Course relies heavily on the case study method for learning similar to the approach used at the Harvard Law and Business Schools.

Sociology 128. Models of Social Science Research

Catalog Number: 5979

Timothy Nelson (Kennedy School)

Half course (fall term). Tu., Th., at 12. EXAM GROUP: 14

Reviews sociological methods and the questions to which each is best suited. Readings exemplify statistical, ethnographic, and historical approaches. Stresses logic and reasoning, not particular statistical methods.

Note: Required of concentrators, ordinarily Sophomores, and secondary concentrators.

Sociology 129. Education and Society

Catalog Number: 6298

Mary C. Brinton

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Examines the key role played by the education system in reproducing and transforming modern society. Considers what purposes education serves; the extent to which ability, effort, intelligence and luck determine educational success; why educational attainment is socially stratified by social class origin, gender, 'race' and ethnicity; and how educational attainment and outcomes are shaped by differences in character and quality between schools.

[Sociology 130. Black Youth Culture]

Catalog Number: 7125



Orlando Patterson

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2010–11.

Sociology 134. Theories of Power and Postcommunist Societies

Catalog Number: 0041

Laura L. Adams

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Introductory course in contemporary social theory with thematic focus on the concept of power (broadly defined), and an empirical focus on socialist and post-socialist societies including the former Soviet Union, Eastern Europe, China, and Cuba. Each week will pair readings from a particular school or theorist (Bourdieu, Foucault, Gramsci, etc.) with readings by authors who employ that theoretical perspective in their research. Topics covered will include class, colonialism, culture, gender, and resistance.

[Sociology 137. Money, Work, and Social Life]

Catalog Number: 1589 Enrollment: Limited to 50.

Filiz Garip

Half course (spring term). Hours to be arranged.

Offer an account of production, consumption, distribution, and transfer of assets. Examining different sectors of the economy from corporations and finance to households, immigrants, welfare, and illegal markets, we explore how in all areas of economic life people are creating, maintaining, symbolizing, and transforming meaningful social relations. Economic life, from this perspective, is as social as religion, family, or education.

Note: Expected to be given in 2010–11.

Sociology 138. Political Sociology - (New Course)

Catalog Number: 25214

Matt Baggetta

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

Who has power and authority in society? How did they get it? How do they keep it? And how do others wrest it away? These are the fundamental concerns of political sociology. In this course we will consider major theories of power and authority and how they help explain politics and political institutions. The course will regularly examine contemporary political figures, institutions, groups, and issues to illustrate and interrogate core concepts.

[Sociology 139. Religion and Society]

Catalog Number: 9003

Timothy Nelson (Kennedy School)

Half course (spring term). Hours to be arranged.

Organized into three sections: basic concepts of religion are examined, including, belief, experience, ritual, and organization; religion and the major social distinctions of gender, race/ethnicity and social class; and religion in contemporary society, including secularization, religion in politics and social services, and growth of alternative religions.

Note: Expected to be given in 2010–11. Students will be expected to participate in and observe religious services.



[Sociology 140. The Sociology of U.S. Foreign Policy]

Catalog Number: 1189 Enrollment: Limited to 60.

Jocelyn Viterna

Half course (spring term). Hours to be arranged.

Addresses sociological questions about political power and global social change. Students will read a series of case studies describing US actions toward other nations since the World War II, then explore: (1) why the US government chose these actions, (2) how the US public responded, and (3) the consequences of US actions for issues of class, race, and gender in the affected nations. Case studies will be drawn primarily from non-Western regions of the world (Latin America, the Middle East, Southeast Asia, Africa), and theories of globalization, development, collective action, transnational norms, elite power, and social psychological decision-making processes will be central to class discussions.

Note: Expected to be given in 2010–11.

[Sociology 141. Social Institutions of Contemporary China]

Catalog Number: 9333

Martin K. Whyte

Half course (spring term). Hours to be arranged.

Introduction to the patterns of social life in China and how these have changed since the revolution in 1949. Topics covered include political institutions, work organizations, village life, cities, family life, schooling, and inequality.

Note: Expected to be given in 2010–11.

Sociology 145. Urban Social Problems

Catalog Number: 8737

Kathryn Edin (Kennedy School)

Half course (spring term). M., W., at 3. EXAM GROUP: 8

Examines first the process by which social phenomenon come to be identified as social problems, then turns to how sociologists have studied social problems from the beginning of the 20th century and onward. We conclude with a discussion of contemporary social problems in US cities (poverty, family structure, neighborhoods, labor markets, crime, and education), how they are framed, and policy solutions.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Sociology 148. Social Movements - (New Course)

Catalog Number: 91843

Matt Baggetta

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Mass movements for social change have profoundly shaped the world we live in. In this course, we will address fundamental questions about movements. When do they occur? How are they organized? Who joins them? How do movements try to gain influence? What effects do movements have on society? In answering these questions, we will look at movements from the political Left and Right, from the past and present, and from the US and beyond.



[Sociology 155. Class and Culture]

Catalog Number: 8934

Timothy Nelson (Kennedy School)

Half course (fall term). Hours to be arranged.

Examines the intersection of social class and culture--both popular culture and "culture" in the anthropological sense. Focus on "class consciousness" as well as the cultural views of the class system, how social class is embedded in various high and popular cultural products such as art, music books, movies and material goods, and finally the question of how class is reproduced through culture. There will be several short research/analysis projects.

Note: Expected to be given in 2010–11.

***Sociology 156. Quantitative Methods in Sociology**

Catalog Number: 8958

Peter V. Marsden

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

Introduces quantitative analysis in social research, including principles of research design and the use of empirical evidence, particularly from social surveys. Descriptive and inferential statistics, contingency table analysis, and regression analysis. Emphasis on analysis of data and presentation of results in research reports.

Note: Required of and limited to Sociology concentrators, ordinarily sophomores. This course, when taken for a letter grade, meets the General Education requirement in Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

[Sociology 157. Gender and Social Policy: The US in Comparative Perspective: Conference Course]

Catalog Number: 3030

Mary Ruggie (Kennedy School)

Half course (spring term). Hours to be arranged.

Examines the role of various actors and venues (including governments, courts, interest groups, employers) on the development and implementation of policies on health, labor market, family, welfare and violence. Policies in the US are compared with those in selected European countries. Theoretical perspectives are drawn from the literature on the welfare state and feminist legal theory.

Note: Expected to be given in 2010–11. Open to undergraduate and graduate students.

***Sociology 159. Social Entrepreneurship**

Catalog Number: 9611 Enrollment: Limited to 75. , by lottery.

David L. Ager

Half course (spring term). Tu., Th., 8:30-10. EXAM GROUP: 10, 11

Focuses on the efforts of private citizens, for-profit and not-for-profit initiatives, to respond to social needs through creative solutions. Topics covered: defining social good, assessing market, philanthropy, and government responses; developing an organizational mission; recognizing specific opportunities for social improvement; forming an enterprise that responds to those opportunities; developing organizational funding strategies; evaluating performance; leading the enterprise; and creating positive and sustainable social value.



Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global Perspective: Conference Course

Catalog Number: 3456

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Complements Sociology 162. Examines the culture and political economy of biomedicine and health care institutions in the US and internationally. Analysis of current debates on medical education and the new professionalism; clinical narratives, the medical imaginary and the biotechnical embrace; cultural diversity, disparities and inequalities in medical and mental health care; medical error and quality of care; just use of societal resources; and bioethical dilemmas in clinical practice, medical missions and interventions, and international research and health policies.

Sociology 161. Globalization - (New Course)

Catalog Number: 55428

Rachel Meyer

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Focuses on the development of global capitalism and the relationship between markets, the state, and civil society. The course will pay particular attention to power and inequality, and to various forms of resistance against globalization.

[Sociology 162. Medical Sociology]

Catalog Number: 5801

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). Hours to be arranged.

Explores current topics in medical sociology organized around the theme of global and local environments of risk and trust in medicine and health care. Examines how medical education, knowledge, practice, research, technology, and health policies are culturally shaped and institutionally organized. Analyzes the culture and political economy of American medicine through comparative and global perspectives, utilizing country specific illustrations and global health examples.

Note: Expected to be given in 2010–11.

Sociology 165. Inequalities in Health Care

Catalog Number: 8272

Mary Ruggie (Kennedy School)

Half course (fall term). M., W., at 1. EXAM GROUP: 6

Asks why certain social groups are at greater risk for more severe health problems (eg., infant mortality, HIV/AIDS, cancer) and yet receive unequal health care in the US. Examines selected health disparities around the world and what best practices foster adequate delivery of healthcare services, mutual respect between patient and provider, and healthy living.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

***Sociology 167. Visualizing Human Rights and Social Change in Documentary Photography and Film**



Catalog Number: 6911 Enrollment: Limited to 35.

Tamara Kay

Half course (fall term). Tu., 5:30–8:30 p.m. EXAM GROUP: 18

Explores role of documentary photography and film in promoting rights and advocating social change, particularly in the realm of human rights. Examines history of documentary film and photography in relationship to politics and the development of concerns in sociology with inequality and social justice. Looks at how individual documentarians, non-profit organizations and social movements use film and photography to further their goals and causes. A variety of documentary film and photography genres such as historical, biographical, ethnographic, satire, and political expose will be examined and compared to processes by which filmmakers and photographers engage in social documentation.

Sociology 171. Sociology of Crime and Punishment

Catalog Number: 9922

Bruce Western

Half course (spring term). M., W., at 2. EXAM GROUP: 7

The US penal population now numbers more than 2.2 million people and nearly a third of all African American men will be sentenced to prison at some time in their lives. This course studies these and other crime and criminal justice trends, analyzing them from a sociological perspective. From this perspective crime and state responses to crime are historically variable and often rooted in conflicts over the status of marginal social groups.

Note: Offered jointly with the Kennedy School as CCJ-202.

[Sociology 174. Contemporary Central Asian Societies]

Catalog Number: 5060

Laura L. Adams

Half course (spring term). Tu., Th., 11:30–1.

A sociological introduction to Central Asia, focusing on Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan, and also including nearby Muslim societies such as Afghanistan and Xinjiang in Western China. Explores contemporary topics such as religion, politics, civil society, globalization, gender, demography, migration, and culture.

Note: Expected to be given in 2010–11.

Sociology 175. Sociology of Immigration - (New Course)

Catalog Number: 76736

Luisa Laura Heredia

Half course (fall term). M., W., at 12. EXAM GROUP: 5

Provides an overview of important concepts and trends in US immigration studies the course examines social, cultural, economic, and political trends. Answers such questions as: How are new immigrants and their children being incorporated into the US? How is American society changing as a result of immigration? And, what are the political and social responses of the American public toward immigration?

[Sociology 176. Immigration and the Transformation of American Society]

Catalog Number: 5953

Mary C. Waters



Half course (spring term). Hours to be arranged.

How are new immigrants and their children being incorporated into the US? How is American society changing as a result of immigration? Examines social, cultural, economic, political, and linguistic trends. Focuses on the US, with comparisons to other immigrant receiving countries.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

[Sociology 177. Hurricane Katrina: Disaster and Its Aftermath]

Catalog Number: 7253 Enrollment: Limited to 15.

Mary C. Waters

Half course (fall term). Hours to be arranged.

Examines Hurricane Katrina through the lens of the social sciences. Reviews the history of New Orleans, the sociological literature on disasters, and examines how race, class and gender shaped the experiences of the storm and its aftermath. We will review research on the survivors and on the city of New Orleans and debate public policy solutions.

Note: Expected to be given in 2010–11.

Sociology 179. Crime, Justice, and the American Legal System

Catalog Number: 3962 Enrollment: Limited to 220.

Anthony A. Braga

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Examines the causes and consequences of the crime problem in America. Key actors in the legal system, such as police, courts, and prisons will be covered and the role of these institutions in crime prevention will be assessed. Particular attention will be paid to drugs, guns, gangs and other urban crime problems as well as controversial topics in criminal justice, such as racial profiling and the death penalty.

Note: Offered jointly with the Kennedy School as CCJ-103.

Sociology 183. Race and Ethnic Relations - (New Course)

Catalog Number: 70535

Lawrence D. Bobo

Half course (spring term). M., 3–5. EXAM GROUP: 8, 9

Focuses on ethno-racial distinctions as they have played out in the US, particularly in the period from post-World War II to the present. The specific topics covered include the concept of race itself, sociological theories of racial and ethnic stratification, processes of assimilation, new and changing ethno-racial identities, contemporary ethno-racial conflicts and tensions, immigration in the post-1965 period, whiteness studies, and the politics of affirmative action. In the process of addressing these large and cross-cutting topics we will also take up a host of related issues dealing with such matters as income and wealth differentials; schooling and its outcomes; families, interracial marriages, and the experiences and identities of people of mixed racial background; minority vs. minority competition, the future of immigration; and the politics of reparations.

[*Sociology 184. Freedom in America: An Historical Sociology: Conference Course]

Catalog Number: 9740

Orlando Patterson



Half course (spring term). Hours to be arranged.

Examines the social construction and practice of freedom in America from early colonial times to the present. Freedom explored not simply as an idea, but as a cultural system that both shapes and is shaped by changing socio-economic contexts. Special attention paid to the ways in which constructions of freedom vary by class, gender and ethnicity, and the role of slavery, the revolution, the civil war, and the Civil Rights movement in the development of this ideal.

Note: Expected to be given in 2010–11.

[*Sociology 185. Race and Crime in America]

Catalog Number: 4244

Lawrence D. Bobo

Half course (fall term). Hours to be arranged.

Examines sociological thinking and research on race and crime. General theories of involvement in crime and deviance will be discussed with special attention to issues of youth gangs, to impact of poverty and of racial residential segregation on involvement in crime, and the impact of high rates of incarceration on minority communities. The course will address the tightly inter-connected politics of race and crime as well the role the media plays in fostering fear of crime and racial stereotypes. Finally, the course will engage the major public policy questions raised by the now historic high rates of incarceration of minority youth.

Note: Expected to be given in 2010–11.

[Sociology 189. Law and Social Movements]

Catalog Number: 2421

Tamara Kay

Half course (spring term). Hours to be arranged.

Explores the relationship between law and social movements in the US (with some international and transnational comparisons). Analyzes how the law shapes and structures social movements, how social movements mobilize the law to create social change, and how they engage in legal reform. Examines and compares a variety of social movements including the civil rights, human rights, labor rights, environmental, anti-globalization, women's rights, and indigenous rights movements.

Note: Expected to be given in 2010–11.

[Sociology 190. Life and Death in the US: Medicine and Disease in Social Context]

Catalog Number: 0021

Nicholas A. Christakis (Medical School, FAS)

Half course (spring term). Hours to be arranged.

Explores how biological and social factors jointly conspire to determine the health of individuals and populations. Examines how medical care, social networks, and socioeconomic inequality influence illness, recovery, and death.

Note: Expected to be given in 2010–11. This course, when taken for a letter grade, meets the Core requirement for Social Analysis.

[*Sociology 191. The Politics of Law, Labor and Globalization in the Americas]

Catalog Number: 1423

Tamara Kay



Half course (spring term). Hours to be arranged.

Examines the history of US-Latin American union relations and traces the development and strategies of labor movements in Latin America in relationship to different political regimes, economic development policies, labor laws and labor rights. Focuses also on the effects of globalization and regional economic integration on workers and labor movements in the Americas, focusing on the impacts of regional governance institutions, trade, and immigration. Explores the limitations and possibilities for labor transnationalism in response to globalization, and efforts to frame labor rights as human rights across the Americas.

Note: Expected to be given in 2010–11.

[*Sociology 193. Crime, Community, and Public Policy: Conference Course]

Catalog Number: 8651

Robert J. Sampson

Half course (fall term). Hours to be arranged.

Examines criminal justice from the perspective of local communities. Questions of how local communities affect and are affected by crime and criminal justice will be addressed. A central concern will be the discussion of characteristics of neighborhoods that lead to high rates of criminality and how federal, state, and local policies not directly concerned with crime policy may nonetheless bear on crime rates. The City of Boston will be used as a laboratory in which to study these issues.

Note: Jointly offered with the Kennedy School as CCJ-104. Expected to be given in 2010–11.

[Sociology 194. Knowledge Production & Evaluation in the Social Sciences: Conference Course]

Catalog Number: 6917

Michèle Lamont

Half course (spring term). Hours to be arranged.

Focus on ethnographic and historical research on practices of knowledge making, use and evaluation in the social sciences. We will survey frontier literatures in science studies to consider potential for cross-fertilization and future empirical investigation. The overall goal will be to study similarities and differences in social processes across disciplines and potential for coordinated research agendas.

Note: Expected to be given in 2010–11.

Cross-listed Courses

[African and African American Studies 197. Poverty, Race, and Health](#)

[Government 1010. Survey Research Methods](#)

[History of Science 157. Sociology of Science](#)

[Studies of Women, Gender, and Sexuality 1125. Gender and Health](#)

Primarily for Graduates

[*Sociology 202. Intermediate Quantitative Research Methods](#)

Catalog Number: 4117

Peter V. Marsden



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Research designs and measurement techniques used in quantitative sociological research. Regression methods for continuous and binary response variables, including categorical predictors, nonlinearity interactions, diagnostics, and criticism. Emphasis on applications and implementation.

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology

Prerequisite: Familiarity with basic statistics.

***Sociology 203a. Advanced Quantitative Research Methods**

Catalog Number: 3315

Christopher Winship

Half course (fall term). Tu., Th., 10–12. EXAM GROUP: 12, 13

Matrix approach to regression analysis with an emphasis on the assumptions behind OLS. Instrumental variables, generalized least squares, probit and logit models, survival analysis, hierarchical linear models, and systems of equations are studied.

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology.

Prerequisite: Sociology 202 or basic course in regression analysis.

[*Sociology 203b. Analysis of Longitudinal Data: Seminar]

Catalog Number: 1860

Peter V. Marsden

Half course (fall term). Hours to be arranged.

Treats longitudinal design and methods for the statistical analysis of longitudinal data with an emphasis on the analysis of change in discrete variables. Includes introduction to time series analysis. Statistical theory and practical applications covered.

Note: Expected to be given in 2010–11. Primarily for graduate students in sociology.

Prerequisite: Sociology 203a.

Sociology 204. Sociological Theory: Seminar

Catalog Number: 6189

Claude Rosental

Half course (spring term). W., 10–12.

Introduction to the ideas of and socio-intellectual contexts that were formative for Tocqueville, Durkheim, Marx, Weber, Simmel, and Mead. Consideration of their significance for contemporary sociological theory.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 205. Sociological Research Design**

Catalog Number: 8972

Frank Dobbin

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

This course covers the fundamentals of social science research design. Emphasis is placed on principles that are applicable in all kinds of research, including surveys, participant observation, comparative historical study, and demographic analysis. The course also delves into current methodological controversies in several arenas.

Note: Required of, and ordinarily limited to, first-year graduate students in Sociology.



[Sociology 206. The Sociology of Development: Seminar]

Catalog Number: 9026

Martin K. Whyte

Half course (spring term). Hours to be arranged.

Examines debates surrounding the nature of the process of economic development. Major attention is devoted to rival theories of where and why development occurs and to a variety of social consequences of economic development.

Note: Expected to be given in 2010–11.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

Mary C. Brinton

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

Develops tools for the construction of sociological theory. Compares major contemporary sociological theories and their applications. Emphasis is placed on adjudicating among competing explanations based on evidence and critical assessment of a theory's logic.

Note: Required of and limited to second-year graduate students in Sociology.

***Sociology 209. Qualitative Social Analysis: Seminar**

Catalog Number: 1198

Orlando Patterson

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Examines approaches to non-numerical data used by social scientists to obtain valid, reliable, and meaningful insight into the social world through the analysis of ethnographic field notes, interview transcripts, and archival and other interpretative data.

Note: Required of and limited to first-year graduate students in Sociology.

***Sociology 210. Issues in the Interpretation of Empirical Evidence: Seminar**

Catalog Number: 2882

Stanley Lieberman

Half course (spring term). W., 3–5.

Special problems occur in the interpretation of either qualitative or quantitative results based on non-experimental data--whether from surveys, historical research, or field work. These issues differ from those that can be resolved through statistical solutions.

[Sociology 217. Sociology of Families and Kinship: Seminar]

Catalog Number: 8522

Martin K. Whyte

Half course (spring term). Hours to be arranged.

Examines research on family patterns, combining a focus on how family patterns vary and change over time and how individuals differ in their experience of life course transitions, such as marriage, divorce, and retirement.

Note: Expected to be given in 2010–11.

[*Sociology 221. Immigration, Identity and Assimilation: Seminar]

Catalog Number: 9699



Mary C. Waters

Half course (spring term). Hours to be arranged.

Examines the experiences of recent immigrants and their children — the second generation. Review of economic, political, and social assimilation, and ethnic identity formation. Discussion of recent theories and research on the link between identity and economic assimilation.

Note: Expected to be given in 2010–11.

Sociology 222. Transnational Migration from the Hispanic Caribbean - (New Course)

Catalog Number: 71658

Jorge Duany

Half course (fall term). M., 6–8 p.m. EXAM GROUP: 9

A comparative analysis of the transnational experiences of Puerto Rican, Cuban, and Dominican migrants, emphasizing the construction, transformation, and representation of cultural, racial, and ethnic identities among transnational migrants and their descendants.

Sociology 224. Organizational Analysis: Seminar

Catalog Number: 8202

Christopher Marquis (Business School)

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Reviews classical and contemporary theories of organizations, including ecological, institutional, resource dependence, transaction-cost, agency theory, networks and social movements.

Examines phenomena at multiple levels from the establishment to the organizational network or field.

[Sociology 225. Historical Sociology: Studying Continuity and Change: Seminar]

Catalog Number: 8750

Orlando Patterson

Half course (spring term). Hours to be arranged.

Examines the main approaches to the interface of history and sociology. Major theoretical traditions and methodological strategies (both quantitative and qualitative) are appraised mainly through the exploration of exemplary studies.

Note: Expected to be given in 2010–11.

[*Sociology 228. Labor Markets]

Catalog Number: 1766

Mary C. Brinton

Half course (fall term). Hours to be arranged.

Examines key issues and research in the area of labor markets, with an emphasis on presentation of students' work in progress.

Note: Expected to be given in 2010–11. Must be third-year graduate student or above to enroll.

Sociology 229. Comparative Institutions and Inequality: East Asia (Graduate Seminar in General Education) - (New Course)

Catalog Number: 56014

Mary C. Brinton

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7



Analyzes the relationship between economic development, social change, and patterns of inequality in Japan, South Korea, and China. Students will actively help shape a new Harvard undergraduate General Education course in this area.

[Sociology 231. Neighborhood Effects and Community-Level Social Processes]

Catalog Number: 6611

Robert J. Sampson

Half course (spring term). Hours to be arranged.

Examines contemporary research on the role of neighborhoods in modern city life. Topics include segregation and neighborhood social isolation; social networks and trust; spatial forms of racial inequality; and the role of institutions in generating collective action.

Note: Expected to be given in 2010–11.

[*Sociology 236. Selected Topics in Culture and Inequality]

Catalog Number: 0582

Michèle Lamont

Half course (spring term). Hours to be arranged.

Introduction to cultural sociology, particularly as it intersects with the study of inequality.

Topics: Symbolic boundaries, cultural capital, cultural consumption, identity, race and class cultures, anti-racism, cultural repertoires, explanation, interpretation, and comparative research strategies.

Note: Expected to be given in 2010–11.

Sociology 237. Contemporary Chinese Society: Seminar

Catalog Number: 4320

Martin K. Whyte

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A seminar devoted to the intensive analysis of a particular aspect of contemporary Chinese society. This year the focus will be on trends in inequality and stratification in China.

[Sociology 243. Economic Sociology]

Catalog Number: 2022

Filiz Garip

Half course (fall term). Hours to be arranged.

Introduction to economic sociology at the graduate level. Surveys economic inequality and the ways that economic behavior and outcomes are shaped by social institutions such as markets, networks, organizations, the family, the state, and culture.

Note: Expected to be given in 2010–11.

[Sociology 248. Race, Politics, and Social Inequality: Seminar]

Catalog Number: 8035

Lawrence D. Bobo

Half course (spring term). Hours to be arranged.

Examines intersection of race, public will, and policy-making. Reviews theories of race-making and racial inequality, dynamics of public opinion, and effects of a racialized public sphere on social policy. Focuses on the welfare state, the criminal justice system, and the dynamics of a



multiethnic society.

Note: Expected to be given in 2010–11.

[*Sociology 249. “Race,” Culture, and Social Structure: Seminar]

Catalog Number: 5727

Orlando Patterson

Half course (spring term). Hours to be arranged.

Examines socio-economic and cultural dimensions of racial inequality in the US. External and institutional factors accounting for inequality and internal problems will be examined. Political and economic consequences of various policies aimed at reducing inequality such as affirmative action will be explored, giving attention to family structure and gender relations and to the policies relating to them.

Note: Expected to be given in 2010–11.

[Sociology 252. Sociology of Gender]

Catalog Number: 9968

Jocelyn Viterna

Half course (fall term). Hours to be arranged.

Examines (1) the biological and social bases of gender; (2) feminist theories; (3) how gender both affects, and is affected by, major social institutions; and (4) gender in the global south.

Note: Expected to be given in 2010–11.

***Sociology 255. Social Stratification: Seminar**

Catalog Number: 3839

Bruce Western

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines theoretical and empirical approaches to understanding the sources, structure and consequences of persistent social inequalities.

[*Sociology 260. The Sociology of Global Health]

Catalog Number: 6585

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). Hours to be arranged.

Examines the historical transformation and social organization of the modern global health movement, its political economy and diverse cultural contexts. Cases include institutional architecture and financing, medical humanitarianism, mental health, and gender /reproductive health initiatives.

Note: Expected to be given in 2010–11. Instructor’s permission required.

[Sociology 263. Globalization and Comparative Inequality]

Catalog Number: 6503

Jason Beckfield

Half course (spring term). Hours to be arranged.

Focuses on globalization and inequality, in comparative and cross-national perspective. We begin by reviewing the basic conceptualizations of globalization, and we then turn to consider



how globalization can be connected to inequality.

Note: Expected to be given in 2010–11.

[Sociology 267. Political Sociology] - (New Course)

Catalog Number: 42489

Tamara Kay

Half course (spring term). Tu., 5:30–7:30 p.m.

Examines power relations between state and society. Focuses on state formation, organization & development, and challenges to state authority and policies. Engages debates on role of states in international arena.

Note: Expected to be given in 2010–11.

***Sociology 275. Social Network Analysis: Seminar**

Catalog Number: 6899

Peter V. Marsden

Half course (fall term). Tu., 1–3.

Concepts and methods for studying social structure using social networks. Approaches to collecting network data; data quality; graph-theoretic, statistical, and visual approaches to analyzing network data, including blockmodels and multidimensional scaling.

Sociology 296a. Proseminar on Inequality & Social Policy I - (New Course)

Catalog Number: 67293

Kathryn Edin (Kennedy School) and Bruce Western

Half course (fall term). W., 2–4.

Considers the effects of policies and institutions in creating or reducing inequality in the U.S. and other advanced democracies, as well as the reciprocal effects of inequality on political activity and policy choices.

Note: Offered jointly with the Kennedy School as HLE-511.

[*Sociology 296b. Proseminar on Inequality and Social Policy II]

Catalog Number: 9407

Instructor to be determined

Half course (spring term). Hours to be arranged.

Deals with causes and possible cures for economic inequality, including skill differences, discrimination, immigration, household composition, residential segregation, and the welfare state.

Note: Expected to be given in 2010–11. Offered jointly with the Kennedy School as HLE-512.

Prerequisite: HLE-511

Cross-listed Courses

African and African American Studies 211. Social Structure and Culture in the Study of Race and Urban Poverty

***Government 2340b. Social Policy II**

***Government 2360. Obama's Agenda and the Dynamics of U.S. Politics: Seminar - (New**



[Course](#)

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Graduate Courses of Reading and Research

[*Sociology 300hf (formerly *Sociology 300). Workshop on Race: Black Youth Culture]

Catalog Number: 6654

Orlando Patterson 1091 (on leave spring term)

Half course (throughout the year). Spring: F., 12–2.

A venue for graduate students and advanced scholars working on all aspects of minority-majority relations, the condition of Afro-Americans and other disadvantaged ethnic groups, and the evaluation of related public policies and programs.

Note: Expected to be given in 2010–11.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

David L. Ager 5142, Jason Beckfield 5612 (on leave spring term), Lawrence D. Bobo 2919, Mary C. Brinton 4567, Nicholas A. Christakis (Medical School) 4459 (on leave spring term), Frank Dobbin 4622, Kathryn Edin (Kennedy School) 5952, Filiz Garip 5887 (on leave 2009-10), Mary-Jo Del Vecchio Good (Medical School) 7721, Christopher Jencks (Kennedy School) 2160, Tamara Kay 5611 (on leave spring term), Michèle Lamont 4634, Stanley Lieberman 1937, Peter V. Marsden 1797, Orlando Patterson 1091 (on leave spring term), Robert J. Sampson 4546, Theda Skocpol 1387, Jocelyn Viterna 5860 (on leave 2009-10), Mary C. Waters 1498 (on leave 2009-10), Bruce Western 5763, Martin K. Whyte 3737 (on leave fall term), William Julius Wilson 2401, and Christopher Winship 3189 (on leave spring term)
Half course (fall term; repeated spring term). Hours to be arranged.

***Sociology 302. Direction of Doctoral Dissertations**

Catalog Number: 5021

Members of the Department

***Sociology 303a. Advanced Topics in Quantitative Research**

Catalog Number: 5636

Christopher Winship 3189 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

Examines current methodological scholarship in the social sciences with an eye to assessing its quality and potential for advancing quantitative methods. Recently published and unpublished work by local scholars examined.

***Sociology 304. Culture and Social Analysis Workshop**

Catalog Number: 2809

Michèle Lamont 4634

Half course (fall term; repeated spring term). M., 4–6.

A venue for those working on topics such as meaning-making, identity, collective memory, symbolic boundaries, cultural capital, class cultures, popular culture, media, disciplinary cultures, and the impact of culture on inequality.



***Sociology 305. Teaching Practicum**

Catalog Number: 0259

David L. Ager 5142

Half course (fall term). Tu., 3–5.

Note: Required of and limited to graduate students in Sociology. Attendance at first meeting is required.

***Sociology 306r. Colloquium in Sociology**

Catalog Number: 4818

Tamara Kay 5611 (on leave spring term) (fall term only) and Robert J. Sampson 4546 (spring term only)

Half course (fall term; repeated spring term). Alternate Tu., 12-2.

Bi-weekly forum for advanced graduate students for presentation of their research. Only graduate students in sociology may register for credit. Students registered for credit must make a seminar presentation during the term.

***Sociology 307. Proseminar on Inequality and Social Policy III**

Catalog Number: 0137

William Julius Wilson 2401

Half course (fall term). M., 2–4.

Students develop previously completed papers from Sociology 296a or 296b into professional presentations and publishable articles, critique peer papers across disciplines, and discuss presentations of national experts.

Note: Offered jointly with the Kennedy School as HLE-513.

Prerequisite: Sociology 296a or 296b (or HLE-511 or HLE-512 at the Kennedy School)

***Sociology 308. Workshop on Economic Sociology**

Catalog Number: 0086

Frank Dobbin 4622

Half course (fall term; repeated spring term). W., 3:30–5.

Presentations and discussions of new research by members of the community and visiting scholars. Students are exposed to the major paradigms in the field, and see how research articles are developed and refined.

[*Sociology 309. Migration and Immigrant Incorporation Workshop]

Catalog Number: 9932

Mary C. Waters 1498 (on leave 2009-10)

Half course (fall term; repeated spring term). Hours to be arranged.

Bi-weekly colloquium for graduate students that examines international migration and the incorporation of migrants into host societies. Students participate in meetings and present original work in progress.

Note: Expected to be given in 2010–11.

***Sociology 310a. Qualifying Paper A**

Catalog Number: 0085

Robert J. Sampson 4546



Half course (spring term). Tu., 10–12.

Guides students through the process of producing an original research paper of high quality. Readings and discussion cover the identification of appropriate research problems, the nature of causal reasoning, and data analysis and write-up.

Note: Required of, and ordinarily limited to, second-year graduate students while writing the qualifying paper. Prerequisite to 310b, to be offered fall term.

***Sociology 310b. Qualifying Paper B**

Catalog Number: 4625

Robert J. Sampson

Half course (fall term). Tu., 10–12.

Guides students through the process of producing an original research paper of high quality. Readings and discussion cover the identification of appropriate research problems, the nature of causal reasoning, and data analysis and write-up.

Note: Required of, and ordinarily limited to, third-year graduate students while writing the qualifying paper.

Prerequisite: 310a

[*Sociology 311. Family and Childhood Research Workshop]

Catalog Number: 1062

Martin K. Whyte 3737 (on leave fall term)

Half course (fall term; repeated spring term). Hours to be arranged.

A venue for the presentation of works-in-progress by those with an interest in family formation and dissolution, child well-being, youth development, and the impact of the social environment on families and children.

Note: Expected to be given in 2010–11.

***Sociology 314. Workshop on Urban Social Processes - (New Course)**

Catalog Number: 16972

Robert J. Sampson

Half course (fall term; repeated spring term). .

Forum for discussion of analytic sociological research on city and community. Covering a range of topics with a focus on social mechanisms, processes, and structures. The workshop aims to support the presentation of graduate student research but will also include discussion sessions on selected readings and work-in-progress by faculty at Harvard and colleagues around the country.

***Sociology 315. Inequality and Social Policy: Seminar - (New Course)**

Catalog Number: 65203

Bruce Western

Half course (fall term; repeated spring term). .

[*Sociology 390. Health and Social Structure]

Catalog Number: 6282

Nicholas A. Christakis (Medical School) 4459 (on leave spring term)

Full course (indivisible). Spring: Th., 1–3.

Considers advanced topics in how supra-individual factors, such as social networks,



neighborhoods, and health care organizations, contribute to individual health and longevity. Students undertake a substantial piece of original research.
Note: Expected to be given in 2010–11.

Cross-listed Courses

***Government 3004. Research Workshop in American Politics**

***Social Policy 301. Research and Social Policy Seminar**

South Asian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The 2009-10 membership of this committee has not yet been finalized. Complete membership information for 2009-10 will be posted as soon as it becomes available.

Faculty of the Committee on South Asian Studies

The Committee on South Asian Studies is a multi-disciplinary group of scholars appointed to coordinate teaching and research on South Asia (the nation-states of India, Pakistan, Bangladesh, Sri Lanka, Afghanistan, Nepal, Bhutan, the Maldives and their neighboring areas) among Harvard's departments and schools and is concerned with the planned development of South Asian studies in the University as a whole. It works in close collaboration with the Asia Center, especially its South Asia Initiative, to promote the study of South Asia in a comparative and global context. In association with the South Asian Initiative, it sponsors lectures, seminars, conferences, films and exhibitions on South Asia. There are currently two FAS seminar series wholly focused on South Asia: South Asia without Borders, and the South Asia Seminar.

The Committee is working to expand the range of curricular options open to undergraduates. An undergraduate concentration is currently offered in the Department of Sanskrit and Indian Studies. Graduate degrees with a South Asian focus can be sought in the Departments of History, Religion, Sanskrit and Indian Studies and other departments. A PhD degree can be pursued in the Department of History in South Asian and Indian Ocean history. South Asian religions can be studied towards a PhD degree under the Committee on the Study of Religion. The Department of Near Eastern Languages and Civilizations offers a PhD track in Indo-Islamic culture. The South Asian Initiative awards several South Asia-related undergraduate and graduate research and travel grants and fellowships.



At present, Harvard offers more than 100 non-language courses in South Asian Studies in various departments of the Faculty of Arts and Sciences and Professional Schools on a regular basis, with many offered every year and all offered at least once every three years. Of these, over 60 consist of 100 percent South Asian content. Courses with at least 25 percent South Asian content number nearly 40. More than 30 language courses are offered with at least three-year sequences in Hindi-Urdu and Sanskrit. Reciprocal cross-registration agreements are in place with the Massachusetts Institute of Technology and for graduate students at the Fletcher School of Law and Diplomacy at Tufts University.

Core Courses of Interest

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]
 [Historical Study A-16. Modern South Asia in Global History]

Freshman Seminars of Interest

Courses of Interest

[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar]
 [Anthropology 1120. Comparative Analysis of Ancient Civilizations]
 [Anthropology 1630. Other People's Beliefs: The Anthropology of Religion]
[Anthropology 1690. The Culture Machine: Youth Culture, Networks and Commodities in East Asia](#)
 *Anthropology 3100. Old World Archaeology (Europe, Asia, and Africa)
 *Anthropology 3111. Asiatic Archaeology and Ethnography
[Economics 2390b. Development Economics I: Microeconomic Issues](#)
[Economics 2390d. The Economic Growth and Development Workshop](#)
[*Government 98gs \(formerly *Government 90gs\). Globalization and Civil Society](#)
 [*History 72a (formerly *History 1425). The Rise of the British Empire, 1757-1857]
 [*History 86d (formerly *History 1895). The Indian Ocean in Comparative Perspective]
 [*History 86e (formerly *History 1897). Nation, Reason and Religion in South Asia]
 [History 2692 (formerly History 2892). Colonial and Post-Colonial Histories of South Asia: Seminar]
 [Indian Studies 118. Indian Philosophy: Advanced Introduction]
 [Indian Studies 207a. Understanding Indian Ritual]
 [Indian Studies 207b. Understanding Indian Ritual]
[*Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam](#)
 [Linguistics 122. Introduction to Indo-European]
[Linguistics 220ar. Advanced Indo-European](#)
[Linguistics 221r. Workshop in Indo-European](#)
[Music 190r. Topics in World Music: Proseminar](#)
[Music 201b. Current Methods in Ethnomusicology](#)
[Music 207r. Ethnomusicology: Seminar](#)
 [Nepali 101a. Introductory Nepali]
 [Nepali 101b. Introductory Nepali]



[Pali 101a. Introductory Pali](#)

[Pali 101b. Introductory Pali](#)

[Pali 102a. Intermediate Pali](#)

[*Pali 102b. Intermediate Pali](#)

[Pali 103r. Readings in Pali](#)

[Persian A. Elementary Persian](#)

[Religion 1063. South Asian Religious Aesthetics: Seminar]

[Religion 1600. Introduction to the Hindu Traditions of India](#)

[Religion 1627. Hindu Ethics: Seminar](#)

[Religion 1631. Hindu Traditions of Devotion]

[*Religion 1820 (formerly *Religion 1585). Muslim Societies in South Asia: Religion, Culture, and Identity]

[Sanskrit 101a. Elementary Sanskrit](#)

[Sanskrit 101b. Elementary Sanskrit](#)

[Sanskrit 102a. Intermediate Sanskrit I](#)

[Sanskrit 102b. Intermediate Sanskrit II](#)

[Sanskrit 200ar. Advanced Poetic Sanskrit]

[Sanskrit 200br (formerly Sanskrit 212br). Advanced Literary Sanskrit]

[Sanskrit 201ar. Advanced Philosophical Sanskrit](#)

[Sanskrit 201br. Advanced Philosophical Sanskrit](#)

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature](#)

[Sanskrit 214. Ritual Sutras]

*Sanskrit 301. Reading and Research

[Studies of Women, Gender, and Sexuality 1210ft. Feminist Theory]

[Urdu 101. Introductory Urdu-Hindi](#)

[Urdu 102. Intermediate Urdu-Hindi](#)

[Urdu 103a. Advanced Urdu-Hindi](#)

[Urdu 103b. Advanced Urdu-Hindi](#)

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism]

[Urdu 105r. Topics in Urdu-Hindi Literature](#)

Special Concentrations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Special Concentrations

Julie A. Buckler, Professor of Slavic Languages and Literatures (*Chair*)

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Byron J. Good, Professor of Medical Anthropology in the Department of Social Medicine



(Medical School)

Mary-Jo Del Vecchio Good, Professor of Social Medicine *(Medical School)*

David A. Haig, Harvard College Professor, George Putnam Professor of Organismic and Evolutionary Biology *(on leave 2009-10)*

Jerold Kayden, Frank Backus Williams Professor of Urban Planning and Design *(Design School)*

Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology *(on leave spring term)*

Elizabeth Dyrud Lyman, Assistant Professor of English and American Literature and Language *(on leave fall term)*

Stephen A. Marglin, Walter S. Barker Professor of Economics

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering

Richard K. Wolf, Professor of Music

Application forms and information on completing petitions for Special Concentrations may be obtained from the Committee's office, located in Warren House (near the Barker Center).

Primarily for Undergraduates

***Special Concentrations 91r. Supervised Reading and Research**

Catalog Number: 2815

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open to Special Concentrations concentrators who wish to pursue supervised study for graded credit in an area not covered by courses currently offered by regular Departments and Committees. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 96r. Senior Projects**

Catalog Number: 0829

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Designed for seniors in their final term completing their senior project to meet the Basic (rather than Honors) requirements for concentration. May be repeated with the permission of the Director of Undergraduate Studies and the Faculty Adviser. Students must secure the written approval of the faculty member with whom they wish to study and the signature of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 97r. Tutorial — Sophomore Year**

Catalog Number: 2660

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by honors sophomores.



***Special Concentrations 98r. Tutorial — Junior Year**

Catalog Number: 2497

Deborah D. Foster and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion two terms of *Special Concentrations 98r are ordinarily required of all honors concentrators in their junior year. Exceptions to this can only be granted with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations.

***Special Concentrations 99. Tutorial — Senior Year**

Catalog Number: 3294

Deborah D. Foster and members of the Committee

Full course. Hours to be arranged.

Note: Ordinarily taken by honors seniors as a full course. Either half year may be taken as a half course only with the consent of the Faculty Adviser and the Director of Undergraduate Studies of Special Concentrations. Graded Sat/Unsat.

Statistics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Statistics

Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics (*Chair*)

Alan Agresti, Visiting Professor of Statistics (*University of Florida*) (*fall term only*)

Edoardo Maria Airoidi, Assistant Professor of Statistics

Joseph K. Blitzstein, Assistant Professor of Statistics (*Co-Director of Undergraduate Studies*)

Stephen James Blyth, Lecturer on Statistics (*spring term only*)

Richard J. Cleary, Visiting Professor of Statistics (*fall term only*)

Tirthankar Dasgupta, Assistant Professor of Statistics (*Co-Director of Graduate Studies*)

Paul Edlefsen, College Fellow in the Department of Statistics

S.C. Samuel Kou, Professor of Statistics (*on leave 2009-10*)

Yoonjung Lee, Assistant Professor of Statistics

Julia Yi-Hsin Lin, Lecturer on Statistics (*Medical School*)

Jun S. Liu, Professor of Statistics (*FAS*), Professor in the Department of Biostatistics (*Public Health*)

Carl N. Morris, Professor of Statistics (*Co-Director of Graduate Studies*)

Kevin Andrew Rader, Preceptor in Statistics

Donald B. Rubin, John L. Loeb Professor of Statistics

Kenneth E. Stanley, Lecturer on Statistics



Other Faculty Offering Instruction in the Department of Statistics

Arthur P. Dempster, Professor of Theoretical Statistics, Emeritus

Mark E. Glickman, Visiting Associate Professor of Statistics (*Boston University*) (*spring term only*)

Daniel James Greiner, Assistant Professor of Law (*Law School*)

David P. Harrington, Professor of Biostatistics (*Public Health*) (*Co-Director of Undergraduate Studies*)

Xiaole Shirley Liu, Associate Professor of Biostatistics (*Public Health*)

Bernard Rosner, Professor of Medicine (Biostatistics)

Patrick J. Wolfe, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)

Statistics is a relatively young discipline organized around the rapidly growing body of knowledge about quantitative methods for the analysis of data, the making of rational decisions under uncertainty, the design of experiments, and the modeling of randomness and variability in the social and natural sciences.

A basic introduction to the field is provided by any of Statistics 100 through 104, which introduce statistical principles (without any mathematical or statistical prerequisite), with different areas of application emphasized as indicated in the descriptions. Statistics 100, 101, and 104 are Gen Ed-eligible, within the Empirical and Mathematical Reasoning category.

Empirical and Mathematical Reasoning 16: Real Life Statistics: Your Chance at Happiness (or Misery) is a newly designed Gen Ed course introducing statistical principles and reasoning as they arise in everyday life, organized through modules on various areas of application such as health, wine-tasting, and finance.

An introduction to probability and statistics at a higher mathematical and theoretical level is provided by Statistics 110 together with Statistics 111. These courses provide a foundation for understanding random variables, statistical models, and statistical inference, and are prerequisites for most of the department's more advanced courses.

Statistics 101 and 104 will be accepted as fulfilling any requirement or prerequisite that is fulfilled by Statistics 100. Consult the Statistics Department or your tutorial office for more information about courses that satisfy your concentration requirements or for guidance on selecting courses. More detailed information can be accessed at the Statistics Department website: www.stat.harvard.edu.

Primarily for Undergraduates

***Statistics 91r. Supervised Reading and Research**

Catalog Number: 6641

Joseph K. Blitzstein, David P. Harrington (Public Health), and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.



Supervised reading and research in an area of statistics agreed upon by the student and a faculty advisor

Note: Normally may not be taken more than twice; may be counted for concentration in Statistics, if taken for graded credit; may be taken in either term; for further information consult Co-Directors of Undergraduate Studies.

***Statistics 99hf. Tutorial — Senior Year**

Catalog Number: 4381

Joseph K. Blitzstein and David P. Harrington (Public Health)

Half course (throughout the year). Hours to be arranged.

The systematic application of statistical ideas to a problem area.

Note: In exceptional circumstances, may be taken as a half course in the spring term only; for further information consult Co-Directors of Undergraduate Studies.

For Undergraduates and Graduates

Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities

Catalog Number: 3808

Paul Edlefsen (fall term) and David P. Harrington (Public Health) (spring term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 10, and weekly sections to be arranged; Spring: M., W., F., at 11, and weekly sections to be arranged. EXAM GROUP: Fall: 3; Spring: 4

Introduction to key ideas underlying statistical and quantitative reasoning. Topics covered: methods for organizing, summarizing and displaying data; elements of sample surveys, experimental design and observational studies; methods of parameter estimation and hypothesis testing in one- and two-sample problems; regression with one or more predictors; correlation; and analysis of variance. Explores applications in a wide range of fields, including the social and political sciences, medical research, and business and economics.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Statistics 101. Introduction to Quantitative Methods for Psychology and the Behavioral Sciences

Catalog Number: 5128

Alan Agresti (University of Florida) (fall term) and Julia Yi-Hsin Lin (Medical School) (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 10–11:30; Spring: Tu., Th., 11:30–1. EXAM GROUP: Fall: 12, 13; Spring: 13, 14

Similar to Statistics 100, but emphasizes concepts and practice of statistics used in psychology and other social and behavioral sciences. Topics covered: describing center and variability; probability and sampling distributions; estimation and hypothesis testing for comparing means and comparing proportions; contingency tables; correlation and regression; multiple regression; analysis of variance. Emphasis on translation of research questions into statistically testable hypotheses and models, and interpretation of results in context.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. This



course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Statistics 104. Introduction to Quantitative Methods for Economics

Catalog Number: 4582

Kenneth E. Stanley (FAS, Public Health)

Half course (fall term; repeated spring term). Lecture 1: M., W., F., at 11; Lecture 2: M., W., F., at 1, and weekly sections to be arranged. EXAM GROUP: 4

Similar to Statistics 100, but emphasizes applications in fields including, but not limited to, economics, health sciences and policy analysis. Topics covered: descriptive and summary statistics for both measured and counted variables; elements of experimental and survey design; probability; and statistical inference including estimation and tests of hypotheses as applied to one- and two-sample problems, multiple regression, correlation, and analysis of variance. Taught at a slightly higher level than Statistics 100 and 101.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. This course, when taken for a letter grade, meets the General Education requirement for Empirical and Mathematical Reasoning or the Core area requirement for Quantitative Reasoning.

Statistics 110. Introduction to Probability

Catalog Number: 0147

Joseph K. Blitzstein

Half course (fall term). M., W., F., at 12, and a weekly section to be arranged. EXAM GROUP: 5

A comprehensive introduction to probability. Basics: sample spaces and events, conditional probability, and Bayes' Theorem. Univariate distributions: density functions, expectation and variance, Normal, t, Binomial, Negative Binomial, Poisson, Beta, and Gamma distributions. Multivariate distributions: joint and conditional distributions, independence, transformations, and Multivariate Normal. Limit laws: law of large numbers, central limit theorem. Markov chains: transition probabilities, stationary distributions, convergence.

Note: When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 19a or equivalent or above required (may be taken concurrently), Mathematics 19b or equivalent or above recommended.

Statistics 111. Introduction to Theoretical Statistics

Catalog Number: 1836

Edoardo Maria Airoidi

Half course (spring term). Tu., Th., 1-2:30, and a weekly section to be arranged. EXAM GROUP: 15, 16

Basic concepts of statistical inference from frequentist and Bayesian perspectives. Topics include maximum likelihood methods, confidence and Bayesian interval estimation, hypothesis testing, least squares methods and categorical data analysis.

Prerequisite: Mathematics 19a and 19b or equivalent and Statistics 110.

Statistics 115. Introduction to Computational Biology and Bioinformatics

Catalog Number: 9776

Xiaole Shirley Liu (Public Health) and Jun S. Liu



Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Basic problems, algorithms and data analysis approaches in computational biology. Topics include sequence alignment, genome sequencing and gene finding, gene expression microarray analysis, transcription regulation and sequence motif finding, comparative genomics, RNA/protein structure prediction, proteomics and SNP analysis. Computational algorithms covered include hidden Markov model, Gibbs sampler, clustering and classification methods. *Prerequisite:* Good quantitative skills, strong interest in biology, willingness and diligence to learn programming.

Statistics 123. Applied Quantitative Finance on Wall Street - (New Course)

Catalog Number: 71785

Stephen James Blyth

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to modern financial markets, and the probabilistic and statistical techniques used to navigate them. Methodology will be motivated wherever possible by real problems from the financial industry. Topics include: interest-rates, swap markets and fixed income securities; structured note construction and valuation; options markets and probabilistic approaches to valuation; electronic trading and performance evaluation. Designed for those seeking a basic understanding of the evolution of quantitative challenges on Wall Street, and the tool-kit developed to address them.

Prerequisite: Statistics 110 or equivalent.

Statistics 131. Time Series Analysis and Forecasting

Catalog Number: 8291

Tirthankar Dasgupta

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An introduction to time series models and associated methods of data analysis and inference. Auto regressive (AR), moving average (MA), ARMA, and ARIMA processes, stationary and non-stationary processes, seasonal processes, auto-correlation and partial auto-correlation functions, identification of models, estimation of parameters, diagnostic checking of fitted models, forecasting, spectral analysis, and transfer function models.

Prerequisite: Statistics 111 and 139 or equivalent.

Statistics 135. Statistical Computing Software

Catalog Number: 3451

Steven Richard Finch

Half course (fall term). M., W., F., at 10. EXAM GROUP: 3

An introduction to major statistics packages used in academics and industry (SAS and R). Will discuss data entry and manipulation, implementing standard analyses and graphics, exploratory data analysis, simulation-based methods, and new programming methods.

Note: Primarily for Statistics AM students.

Prerequisite: Statistics 110 or 139 (may be taken concurrently) or with permission of instructor.

Statistics 139. Statistical Sleuthing Through Linear Models

Catalog Number: 1450

Yoonjung Lee



Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

A serious introduction to statistical inference where linear models and related methods are used. Topics include the pros and cons of t-tools and their alternatives, multiple-group comparisons, linear regressions, model checking and refinement. Emphasis on statistical thinking and tools for real-life problems, application to current events whenever relevant.

Prerequisite: Statistics 100 or equivalent and Mathematics 19a and 19b or equivalent.

Statistics 140. Design of Experiments

Catalog Number: 7112

Tirthankar Dasgupta

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Statistical designs for efficient experimentation in physical, chemical, biological, social and management sciences and in engineering. A systematic approach to explore input-output relationships by deliberately manipulating input variables. Topics include analysis of variance, completely randomized and randomized block designs, Latin square designs, balanced incomplete block designs, factorial designs, confounding in blocks, fractional replications, orthogonal arrays, and response surface designs. Each topic is motivated by a real-life example.

Prerequisite: Statistics 100 or equivalent and Mathematics 19a and 19b.

Statistics 149. Statistical Sleuthing through Generalized Linear Models

Catalog Number: 6617

Mark E. Glickman (Boston University)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

A sequel to Statistics 139, emphasizing common methods for analyzing categorical data. Topics include mixed effects model, contingency tables, log-linear models, logistic, Probit and Poisson regression, model selection, and model checking. Examples will be drawn from several fields, particularly from biology and social sciences.

Prerequisite: Statistics 139 or permission of instructor.

Statistics 160. Design and Analysis of Sample Surveys

Catalog Number: 2993

Alan M. Zaslavsky (Medical School)

Half course (fall term). M., W., 2:30–5. EXAM GROUP: 7, 8, 9

Methods for design and analysis of sample surveys. The toolkit of sample design features and their use in optimal design strategies. Sampling weights and variance estimation methods, including resampling methods. Brief overview of nonstatistical aspects of survey methodology such as survey administration and questionnaire design and validation (quantitative and qualitative). Additional topics: calibration estimators, variance estimation for complex surveys and estimators, nonresponse, missing data, hierarchical models, and small-area estimation.

Prerequisite: Statistics 111 or 139 or permission of instructor.

Statistics 170. Introduction to Quantitative Methods in Finance

Catalog Number: 1202

Yoonjung Lee

Half course (spring term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM

**GROUP: 12, 13**

Introduces stochastic analysis tools to be used as a basis for developing continuous-time asset pricing theory. Various quantitative methods widely used in the financial industry for valuing derivative products will be presented: binomial-tree valuation methods, extensions of the Black-Scholes option pricing formula, numerical techniques for solving partial differential equations, and Monte Carlo simulations.

Prerequisite: Statistics 110 and 111 or equivalent.

Statistics 171. Introduction to Stochastic Processes

Catalog Number: 4180

Jun S. Liu

Half course (spring term). Tu., Th., 11:30-1, and a weekly section to be arranged. EXAM

GROUP: 13, 14

An introductory course in stochastic processes. Topics include Markov chains, branching processes, Poisson processes, birth and death processes, Brownian motion, martingales, introduction to stochastic integrals, and their applications.

Prerequisite: Statistics 110 or equivalent.

Primarily for Graduates**Statistics 210. Probability Theory**

Catalog Number: 2487

Carl N. Morris and Joseph K. Blitzstein

Half course (fall term). M., W., 2:30-4; Th., 4-6. EXAM GROUP: 7, 8

Random variables, measure, representations. Families of distributions: Multivariate Normal, conjugate, marginals, mixtures. Conditional distributions and expectation. Convergence, laws of large numbers, and central limit theorems. Markov chains and martingales.

Prerequisite: Statistics 110 or equivalent required; Statistics 111 or equivalent recommended.

Statistics 211. Statistical Inference

Catalog Number: 1946

Carl N. Morris and Joseph K. Blitzstein

Half course (spring term). M., W., 2:30-4. EXAM GROUP: 7, 8

Inference: frequency, Bayes, decision analysis, foundations. Likelihood, sufficiency, and information measures. Models: Normal, exponential families, multilevel, and non-parametric. Point, interval and set estimation; hypothesis tests. Computational strategies, large and moderate sample approximations.

Prerequisite: Statistics 111 and 210 or equivalent.

[Statistics 212. Probability and Mathematical Statistics III: Special Topics]

Catalog Number: 7864

Instructor to be determined

Half course (fall term). F., 2-5.

Contemporary probabilistic techniques for analysis of stochastic processes commonly used in applied probability. Studies functional weak convergence analysis and large deviations results (both for light- and heavy-tailed systems). Applications: Queueing, Risk Theory, Finance, and



Biology.

Note: Expected to be given in 2010–11.

Statistics 215. Introduction to Computational Biology and Bioinformatics - (New Course)

Catalog Number: 29169

Xiaole Shirley Liu (Public Health) and Jun S. Liu

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Meets with Statistics 115, but graduate students are required to complete a research project and make a final presentation during reading period in addition to completing all work assigned for Statistics 115.

Prerequisite: Good quantitative skills, strong interest in biology, good programming skills in C/C++, Java, Perl or Python.

Statistics 220. Bayesian Data Analysis

Catalog Number: 6270

Donald B. Rubin and Jun S. Liu

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Basic Bayesian models, followed by more complicated hierarchical and mixture models with nonstandard solutions. Includes methods for monitoring adequacy of models and examining sensitivity of models.

Note: Emphasis throughout term on drawing inferences via computer simulation rather than mathematical analysis.

Prerequisite: Statistics 110 and 111.

Statistics 221. Statistical Computing and Learning

Catalog Number: 5959

Edoardo Maria Airoidi

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Computational methods commonly used in statistics: random number generation, optimization methods, numerical integration, Monte Carlo methods including Metropolis-Hastings and Gibbs samplers, approximate inference techniques including Expectation-Maximization algorithms, Laplace approximation and variational methods, data augmentation strategies.

Note: Computer programming exercises will apply the methods discussed in class.

Prerequisite: Linear algebra, Statistics 111, and knowledge of a computer programming language (R or Matlab) required; Statistics 220 recommended.

[Statistics 225. Spatial Statistics]

Catalog Number: 6499

Instructor to be determined

Half course (fall term). Hours to be arranged.

Introduction to three types of spatial data: point pattern, geospatial, and lattice. For each type of data, presentation and application of statistical and computational methods for description, modeling, and analysis.

Note: Expected to be given in 2010–11.



[Statistics 230. Multivariate Statistical Analysis]

Catalog Number: 5206

Edoardo Maria Airoidi

Half course (spring term). M., W., 1–2:30.

Multivariate inference and data analysis. Advanced matrix theory and distributions, including Multivariate Normal, Wishart, and multilevel models. Supervised learning: multivariate regression, classification, and discriminant analysis. Unsupervised learning: dimension reduction, principal components, clustering, and factor analysis.

Note: Expected to be given in 2010–11.

Prerequisite: Statistics 211 or equivalent.

Statistics 231. Time Series Analysis and Forecasting

Catalog Number: 7537

Tirthankar Dasgupta

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Meets with Statistics 131, but graduate students will be exposed to a more rigorous treatment of time series analysis.

Prerequisite: Statistics 111 and 139 or equivalent.

[Statistics 232 (formerly *Statistics 332). Topics in Missing Data]

Catalog Number: 9483

Donald B. Rubin

Half course (spring term). W., 10–12:30.

Note: Expected to be given in 2010–11.

Statistics 239. Statistical Sleuthing Through Linear Models

Catalog Number: 8433

Yoonjung Lee

Half course (fall term). Tu., Th., 10-11:30 and a weekly section to be arranged. EXAM GROUP: 12, 13

Meets with Statistics 139, but graduate students will be required to complete additional assignments designed to cover theoretical aspects of regression analysis.

Statistics 240 (formerly Statistics 233). Matched Sampling and Study Design

Catalog Number: 4036

Donald B. Rubin and Tirthankar Dasgupta

Half course (fall term). W., 5–7 p.m. EXAM GROUP: 9

This course provides an accessible introduction to the study of matched sampling and other design techniques in any field (e.g., economics, education, epidemiology, medicine, political science, etc.) conducting empirical research to evaluate the causal effects of interventions.

Prerequisite: Statistics 110, Statistics 111 and Statistics 139.

Statistics 245. Statistics and Litigation

Catalog Number: 3488

Daniel James Greiner (Law School)

Half course (spring term). Tu., W., 5–7 p.m. EXAM GROUP: 9, 18



Students work in teams with law students to analyze data, prepare expert reports, and give testimony. Course teaches how to analyze data, present results to untrained but intelligent users, and defend conclusions.

Prerequisite: A graduate course in data analysis, such as Statistics 220, Government 2001, or Economics 2120

Statistics 249. Statistical Sleuthing Through Generalized Linear Models

Catalog Number: 3987

Mark E. Glickman (Boston University)

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Meets with Statistics 149, but graduate-level covers supplementary topics such as Bayesian analysis for generalized linear models and generalized mixed effect models. Requires extra homework and examination problems in addition to those for Statistics 149.

Prerequisite: Statistics 139, Statistics 220 or Statistics 221, or by permission of instructor.

Statistics 260. Design and Analysis of Sample Surveys - (New Course)

Catalog Number: 59588

Alan M. Zaslavsky (Medical School)

Half course (fall term). M., W., 2:30–5.

Meets with Stat 160, but graduate students will have an extended class period and complete additional assignments for a more theoretical, in-depth treatment of topics.

Prerequisite: Statistics 110, 111, and 139 or permission of instructor.

Statistics 270. Introduction to Quantitative Methods in Finance

Catalog Number: 3518

Yoonjung Lee

Half course (spring term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

Meets with Statistics 170, but graduate students will be exposed to a more rigorous treatment of stochastic calculus.

Prerequisite: Statistics 110 and 171 or equivalent.

Statistics 285r (formerly Statistics 385). Statistical Machine Learning

Catalog Number: 0512

Edoardo Maria Airoidi

Half course (spring term). F., 2–4:30. EXAM GROUP: 7, 8, 9

Hands-on introduction to concepts and computations central to cutting-edge, including sparse learning in high dimensions, semi-supervised learning strategies, structured predictions, approximate inference strategies, analysis of complex graphs. The material is delivered via extensive case studies.

Note: Computer programming exercises will apply the methods discussed in class.

Prerequisite: Familiarity with estimation and inference techniques, and knowledge of a computer programming language (R or Matlab) required; Statistics 220 or 221 recommended.

Cross-listed Courses



[Biostatistics 244. Analysis of Failure Time Data](#)

[*Biostatistics 250. Probability Theory and Applications II](#)

[Economics 1127. Statistical Methods for Evaluating Causal Effects](#)

[*Government 3009. Research Workshop in Applied Statistics](#)

Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474

Edoardo Maria Airoidi 6132, Joseph K. Blitzstein 5588, Tirthankar Dasgupta 5765, Arthur P. Dempster 2345, S.C. Samuel Kou 4054, Yoonjung Lee 5300, Jun S. Liu 3760, Xiao-Li Meng 4023, Carl N. Morris 2178, Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966, Patrick J. Wolfe 5144, and Alan M. Zaslavsky (Medical School) 1927
Half course (fall term; repeated spring term). Hours to be arranged.

***Statistics 302. Direction of Doctoral Dissertations**

Catalog Number: 3382

Edoardo Maria Airoidi 6132, Joseph K. Blitzstein 5588, Tirthankar Dasgupta 5765, Arthur P. Dempster 2345, S.C. Samuel Kou 4054, Yoonjung Lee 5300, Jun S. Liu 3760, Xiao-Li Meng 4023, Carl N. Morris 2178, Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966, Patrick J. Wolfe 5144, and Alan M. Zaslavsky (Medical School) 1927
Half course (fall term; repeated spring term). Hours to be arranged.

***Statistics 303hf. The Art and Practice of Teaching Statistics**

Catalog Number: 3545

Xiao-Li Meng 4023, Joseph K. Blitzstein 5588 (spring term only), and Tirthankar Dasgupta 5765
Half course (throughout the year). M., 10–12.
Required of all first-year doctoral students in Statistics.

***Statistics 305. Statistical Fallacies and Paradoxes: A Cartoon Guide (Graduate Seminar in General Education) - (New Course)**

Catalog Number: 56883

Xiao-Li Meng 4023

Half course (fall term). Tu., 6–8:30 p.m.

Explores the principles behind paradoxes and the fundamentals behind fallacies through research, discussion, and the development of pedagogical resources for a General Education class. With a focus on communicating statistical thinking clearly and creatively, this course investigates common points of conceptual confusion and historical connections to misinformation in science, social policy, and the media. Students will design a "Cartoon Guide" of General Education materials to deepen their own understanding and ability to educate.

***Statistics 310hfr. Topics in Astrostatistics**

Catalog Number: 2105

Xiao-Li Meng 4023

Half course (throughout the year). Tu., 11:30–1.



***Statistics 311. Monte Carlo Methods in Scientific Computing**

Catalog Number: 0826

Jun S. Liu 3760

Half course (fall term). Hours to be arranged.

Prerequisite: Statistics 220 or equivalent.

[*Statistics 321. Stochastic Modeling and Bayesian Inference]

Catalog Number: 4060

S.C. Samuel Kou 4054 (on leave 2009-10)

Half course (spring term). Hours to be arranged.

Stochastic processes and their applications in biological, chemical and financial modeling.

Bayesian inference about stochastic models based on the Monte Carlo sampling approach.

Note: Expected to be given in 2010–11.

***Statistics 324r. Parametric Statistical Inference and Modeling**

Catalog Number: 3366

Carl N. Morris 2178

Half course (spring term). Th., 3–5.

Theory of multi-level parametric models, including hidden Markov models, and applications likely to include biostatistics, health services, education, and sports.

***Statistics 340. Random Network Models**

Catalog Number: 1650

Joseph K. Blitzstein 5588

Half course (spring term). Hours to be arranged.

Random graph models for biological, social, and information networks, including fixed degree, exponential, power law, small world, and geometric random graphs. Estimation and sampling methods for network data.

[*Statistics 341. Advanced Topics in Experimental Design]

Catalog Number: 9827

Tirthankar Dasgupta 5765

Half course (fall term). W., 2–4.

Note: Expected to be given in 2010–11.

***Statistics 370. Topics in Empirical Finance**

Catalog Number: 3593

Yoonjung Lee 5300

Half course (spring term). M., 2:30–4.

Exposes students to a variety of topics in Empirical Finance, including high frequency data analysis, high-dimensional volatility estimation, continuous-time stochastic modeling, and non-linear filtering.

***Statistics 399hf. Problem Solving in Statistics**

Catalog Number: 1035

Carl N. Morris 2178



Half course (throughout the year). W., 4:30–6.

Aimed principally at helping Statistics PhD students beyond their first year transition through the qualifying exams into research.

Stem Cell and Regenerative Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Stem Cell and Regenerative Biology (FAS, HMS)

William J. Anderson, Lecturer on Stem Cell & Regenerative Biology

Paola Arlotta, Assistant Professor of Stem Cell and Regenerative Biology (FAS), Assistant Professor of Surgery (Medical School)

Fernando D. Camargo, Assistant Professor of Stem Cell and Regenerative Biology

Kenneth R. Chien, Professor of Stem Cell & Regenerative Biology; Charles Addison and Elizabeth Ann Saunders Professor of Medicine, Harvard Medical School

Chad A. Cowan, Assistant Professor of Stem Cell and Regenerative Biology (FAS), Assistant Professor of Medicine (Medical School)

Kevin C. Eggan, Associate Professor of Stem Cell & Regenerative Biology (Co-Head Tutor, Human Development and Regenerative Biology)

Konrad Hochedlinger, Assistant Professor of Stem Cell and Regenerative Biology (FAS), Assistant Professor of Medicine (Medical School)

Jeffrey D. Macklis, Professor of Stem Cell & Regenerative Biology and Professor of Surgery and Neurology, Harvard Medical School

Andrew P. McMahon, Frank B. Baird Jr. Professor of Science in the Department of Stem Cell and Regenerative Biology

Alexander Meissner, Assistant Professor of Stem Cell and Regenerative Biology

Douglas A. Melton, Harvard College Professor, Thomas Dudley Cabot Professor of the Natural Sciences (Co-Head Tutor, Human Developmental and Regenerative Biology)

Lee L. Rubin, Senior Lecturer on Stem Cell and Regenerative Biology

David T. Scadden, Professor of Stem Cell & Regenerative Biology and Gerald and Darlene Jordan Professor of Medicine

Gregory L. Verdine, Erving Professor of Chemistry in the Department of Stem Cell & Regenerative Biology

Amy J. Wagers, Assistant Professor of Stem Cell and Regenerative Biology (FAS), Assistant Professor of Pathology (Medical School)

Qiao Zhou, Assistant Professor of Stem Cell & Regenerative Biology

Other Faculty Offering Instruction in Stem Cell and Regenerative Biology



Kenneth R. Chien, Professor of Stem Cell & Regenerative Biology; Charles Addison and Elizabeth Ann Saunders Professor of Medicine, Harvard Medical School
George Q. Daley, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Jeffrey D. Macklis, Professor of Stem Cell & Regenerative Biology and Professor of Surgery and Neurology, Harvard Medical School
Leonard I. Zon, Grousbeck Professor of Pediatrics (*Medical School*)

Primarily for Undergraduates

SCRB 10. Human Developmental and Regenerative Biology - (New Course)

Catalog Number: 96716

Douglas A. Melton, Kevin C. Eggan, and Andrew P. McMahon

Half course (fall term). M., W., F., at 1, and a weekly discussion section to be arranged. EXAM GROUP: 6

Fundamental concepts in developmental biology will be presented within the framework of the developing and regenerating mammal. Where possible, lectures will focus on humans.

Note: This course, when taken for a letter grade, meets the General Education requirement for Science of Living Systems or the Core area requirement for Science B.

Prerequisite: Concurrent enrollment in Life and Physical Sciences A or Life Sciences 1a.

[*SCRB 91r. Introduction to Research] - (New Course)

Catalog Number: 75408

William J. Anderson and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Human Developmental and Regenerative Biology Concentration under the direction of, or approved by, members of the Department of Stem Cell and Regenerative Biology, Principal Faculty of the Harvard Stem Cell Institute, or others with permission. A paper must be submitted to the laboratory sponsor and to the HDRB Concentration Office for review by the Course Director and Head Tutors.

Note: Expected to be given in 2010–11. Limited to Human Developmental and Regenerative Biology Concentrators; written permission of the laboratory sponsor must be submitted to the HDRB Concentration Office prior to enrolling in the course. This introductory research course is intended to prepare students for SCRB 99 and may ordinarily be repeated no more than once.

Ordinarily may not be taken as a fifth course. Laboratory safety session required.

[*SCRB 99. Laboratory Research for Honors Thesis] - (New Course)

Catalog Number: 23886

William J. Anderson and Members of the Department

Full course. Hours to be arranged.

For honors candidates writing a thesis in Human Developmental and Regenerative Biology.

Note: Expected to be given in 2010–11. Ordinarily may not be taken as a fifth course. Laboratory safety session required.

Prerequisite: Students intending to enroll in the fall are required to submit a written proposal to the Course Director. Students may enter the course at midyear only with the permission of the



Course Director. The thesis proposal must be approved by the Course Director and Head Tutors prior to enrolling in SCRB 99.

For Undergraduate and Graduates

SCRB 125 (formerly MCB 125). Cloning, Regeneration, and Reprogramming

Catalog Number: 5481

Konrad Hochedlinger, William J. Anderson, and David T. Scadden

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

This course will focus on the biology of organismal cloning, cellular reprogramming, developmental plasticity, and animal regeneration after injury, including classical experiments in amphibia and planaria. The role that stem cells play in these processes and the genetic and molecular circuitry that underlie developmental potency and reprogramming will be discussed.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b; SCRB 10 or MCB 54, or permission of the instructor.

SCRB 155. Epigenetic Regulation in Development - (New Course)

Catalog Number: 63211

Alexander Meissner

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Cloning of Dolly the sheep suggests that all of our cells have exactly the same genes as a fertilized egg. If this is true, then how is it that each of our cells reads out those genes differently? This course will explain the developmental events that regulate the expression of genes, as well as how this developmental expression is established and maintained.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b; MCB 52; SCRB 10 or permission of the instructor.

SCRB 160. Experimental Embryology - (New Course)

Catalog Number: 45194 Enrollment: Limited to 16.

Paola Arlotta and Konrad Hochedlinger

Half course (fall term). M., 2–6. EXAM GROUP: 7, 8, 9

This advanced laboratory course will apply experimental approaches and surgical techniques to illustrate critical developmental events during mouse embryogenesis. Particular emphasis will be placed on experiments covering the following topics: fertilization and pre-implantation embryology; reprogramming of adult somatic cells into embryonic stem cells; early organ development; and surgical manipulation of late stage mouse embryos in utero.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b; SCRB 10 or MCB 118 or MCB 54.

SCRB 165. Directed Differentiation of Stem Cells

Catalog Number: 9605 Enrollment: Limited to 16.

Chad A. Cowan

Half course (spring term). Tu., at 3; Th., 1–4. EXAM GROUP: 15, 16, 17

This practical laboratory course will investigate the fundamental biology of human embryonic stem cells and their remarkable capacity to differentiate into all cells of the body. The underlying developmental pathways that guide embryonic stem cell development into these differentiated



cell types will be explored. A chemical biology approach will also be used to probe properties of normal and disease model cells derived from embryonic stem cells.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a, or permission of instructor.

SCRB 167. What does Human Disease Teach Us About Mammalian Biology?

Catalog Number: 9556 Enrollment: Limited to 14. For advanced students only, seniors and qualified juniors.

George Q. Daley (Medical School), Kenneth R. Chien, David T. Scadden, and Leonard I. Zon (Medical School)

Half course (spring term). Th., 2–5. EXAM GROUP: 16, 17

Stem cells are the basis for tissue maintenance and repair, thus, are essential elements of normal organ and tissue physiology. Stem cells are also targets for disease processes and through transplantation are important therapeutic agents. This course will allow advanced undergraduates to explore how stem cells and tissue regeneration impact human disease pathogenesis and how stem cells might be exploited to advance new therapies for disease.

Note: Two hour clinical: Thursday at Children's Hospital Boston, 7th Floor Karp Building, Conference Rm. One hour discussion section immediately following.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b; SCRB 10; MCB 52 or MCB 54.

SCRB 180. Repair and Regeneration in the Mammalian Brain - (New Course)

Catalog Number: 60301

Jeffrey D. Macklis and Paola Arlotta

Half course (fall term). Tu., Th., 2:30–4, and a weekly discussion section to be arranged. EXAM GROUP: 16, 17

This course will discuss cellular and molecular mechanisms of regeneration and repair in the mammalian central nervous system (CNS). We will: compare and contrast aspects of neural development with adult neural plasticity; discuss limitations to neuronal regeneration in the mature mammalian CNS following degeneration or injury; examine CNS regeneration approaches directed at overcoming intrinsic limitations; and explore developmental controls and gene manipulation to promote neurogenesis, axonal regeneration, and directed differentiation in the diseased adult brain.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b; SCRB 10 or MCB 80 or permission of the instructor.

SCRB 190. Understanding Aging: Degeneration, Regeneration, and the Scientific Search for the Fountain of Youth

Catalog Number: 1207

Amy J. Wagers and Lee L. Rubin

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

This lecture and discussion course will explore the fundamental molecular and cellular mechanisms that govern organismal aging and contemporary strategies to delay or reverse this process.

Prerequisite: Life and Physical Sciences A or Life Sciences 1a; Life Sciences 1b; SCRB 10 or MCB 54.



Cross-listed Courses

[*Chemistry 185 \(formerly *Chemistry 285\). Molecular Pathophysiology and Pharmacology of Human Disease](#)

[Chemistry 192. Principles of Drug Discovery and Development]

[Government 1093. Ethics, Biotechnology, and the Future of Human Nature]

[Life Sciences 60 (formerly MCB 60). Ethics, Biotechnology, and the Future of Human Nature]

[*Life Sciences 100r \(formerly *MCB 100r\). Experimental Research in the Life Sciences](#)

[*MCB 118. From Egg to Embryo to Organ](#)

[MCB 141. Molecular and Developmental Neurobiology]

[MCB 150. Developmental Genetics and Genomics](#)

[MCB 185. Molecular Pathophysiology and Pharmacology of Human Disease](#)

[MCB 192. Principles of Drug Discovery and Development]

Primarily for Graduates

Cross-listed Courses

[MCB 234. Cellular Metabolism and Human Disease](#)

[MCB 235. Principles of Human Disease: Physiology and Pharmacology](#)

[MCB 254. Advanced Cell Biology](#)

Graduate Courses of Reading and Research

***SCRB 302 (formerly *MCB 302). Mechanisms of Epigenetic Reprogramming**

Catalog Number: 6640

Kevin C. Eggan 5373

***SCRB 399 (formerly *MCB 399). Vertebrate Developmental Biology - (New Course)**

Catalog Number: 45477

Douglas A. Melton 7232

Systems Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Systems Biology



Pamela A. Silver, Professor of Systems Biology (*Medical School*) (*Chair, Director of Graduate Studies*)

Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics

Marc W. Kirschner, Carl W. Walter Professor of Systems Biology (*Medical School*)

Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)

Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*on leave 2009-10*)

Systems Biology students should consult course listings from the departments of Biological Sciences, Biophysics, Chemistry, the School of Engineering and Applied Sciences (Applied Mathematics, Applied Physics, Computer Sciences, Engineering Sciences), and the School of Medical Sciences.

Cross-Listed Courses for Undergraduates and Graduates

[Applied Mathematics 115. Mathematical Modeling](#)

[[Applied Mathematics 147. Nonlinear Dynamical Systems](#)]

[Biophysics 170. Quantitative Genomics](#)

[Biophysics 242r. Special Topics in Biophysics](#)

[Chemistry 60. Foundations of Physical Chemistry](#)

[Chemistry 161. Statistical Thermodynamics](#)

[Chemistry 163. Frontiers in Biophysics](#)

[Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty](#)

[Engineering Sciences 145. Physiological Systems Analysis](#)

[Engineering Sciences 156. Signals and Systems](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics](#)

[MCB 111. Mathematics in Biology](#)

[[*MCB 173. Optical Imaging in the Biological Sciences](#)]

[[MCB 195. Foundations of Systems Biology and Biological Engineering](#)]

[[OEB 181. Systematics](#)]

[OEB 192. Microbial Evolution](#)

[Physics 181. Statistical Mechanics and Thermodynamics](#)

Primarily for Graduates

[Systems Biology 200. A Systems Approach to Biology](#)

Catalog Number: 8701

Walter Fontana (*Medical School*), Jeremy M. Gunawardena (*Medical School*), and Johan M. Paulsson (*Medical School*)

Half course (fall term). Tu., Th., 10-11:30, and a weekly section to be arranged. EXAM GROUP: 12, 13

How do the interactions of molecules and cells allow for the complex behavior of organisms? Quantitative techniques and modeling can shed light on this question. Introduces theory and computation in the context of biological problems.

Note: The course will include an introduction to the use of MATLAB for model-building.

Prerequisite: Mathematics 1b required, and MCB 54 or MCB 56 recommended.



Systems Biology 201. Biology of Animals: genetics, genomics, development and evolution

Catalog Number: 5148

Angela DePace (Medical School), Marc W. Kirschner (Medical School), and Sean G. Megason (Medical School)

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A paper-based discussion course focusing on genetics, genomics and systems biology approaches to the development, physiology and evolution of animals. Students will gain practice in critically evaluating data from genetics and genomics experiments, presenting the conclusions of a paper, and leading discussions on the impact of the work. We will also discuss areas where quantitative techniques have not yet been successful, and ask why not. At the end of the course, students will develop and present proposals for how to bring quantitative approaches to bear on specific biological questions.

[Systems Biology 202. Synthetic Biology] - (New Course)

Catalog Number: 30087

Pamela A. Silver (Medical School) and Jack Szostak (Medical School)

Half course (spring term). Hours to be arranged.

This course will cover the design and synthesis of new genetic circuits, construction of novel genomes and the chemical basis for building self-replicating systems.

Note: Expected to be given in 2010–11. Weekly lectures with discussion sections and outside speakers

Systems Biology 203. Fundamentals of Quantitative and Systems Biology - (New Course)

Catalog Number: 83523

Peter K. Sorger (Medical School) and Timothy J. Mitchison (Medical School)

Half course (fall term). M., W., F., 10:30–12. EXAM GROUP: 3, 4

Cell tissue biology from molecular, dynamical systems and information theoretic perspectives. Approaches to modeling biological pathways, collecting quantitative data and deriving mechanistic insight will be presented through weekly lectures, workshops and literature analysis.

Cross-Listed Courses Primarily for Graduates

BCMP 200. Molecular Biology

BCMP 201. Proteins: Structure, Function and Catalysis

BCMP 207. Molecular Approaches to Drug Action, Discovery, and Design

[Biophysics 204. Structural Biology From Molecules to Cells]

Biophysics 205. Computational and Functional Genomics

Biophysics 242r. Special Topics in Biophysics

Cell Biology 201. Molecular Biology of the Cell

Chemical Biology 2100. Introduction to Chemical Biology I

***Engineering Sciences 222. Advanced Cellular Engineering**

Genetics 201. Principles of Genetics

Mathematics 243 (formerly Mathematics 234). Evolutionary Dynamics

[MCB 212. Topics in Biophysics]

[Microbiology 200. Molecular Microbiology and Pathogenesis]



Graduate Courses of Reading and Research

***Systems Biology 300hf. Introduction to Systems Biology Research**

Catalog Number: 4103

Pamela A. Silver (Medical School) 1595

Half course (throughout the year). M., 6–7:30 p.m.

Introductory lectures introduce the research areas of current program faculty in systems biology.

[*Systems Biology 301. Special Topics in Systems Biology]

Catalog Number: 8834

Instructor to be determined

Half course (fall term). Hours to be arranged.

An exploration of new directions for the field of systems biology. We will identify major unsolved questions in biology and discuss possible new approaches to these questions offered by systems biology.

Note: Expected to be given in 2010–11.

***Systems Biology 350. Systems Biology Research**

Catalog Number: 8370

Pamela A. Silver (Medical School) 1595 and members of the Committee

Upper level Systems Biology students register for this course when they permanently join a lab. Students should register under the supervising PI.

***Systems Biology 399. Introduction to Systems Biology: Rotations**

Catalog Number: 5863

Pamela A. Silver (Medical School) 1595

Half course (fall term; repeated spring term). Hours to be arranged.

The course will introduce the research areas of faculty performing research in systems biology. Intended for Systems Biology lab rotations.

Cross-Listed Graduate Courses of Reading and Research

***Computer Science 307,308. Biologically-Inspired Multi-Agent Systems, Distributed Systems, and Computational Biology**

Ukrainian Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Ukrainian Studies



Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*Chair*)
 Patricia R. Chaput, Professor of the Practice of Slavic Languages
 Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*on leave 2009-10*)
 Grzegorz Ekiert, Professor of Government (*on leave 2009-10*)
 George G. Grabowicz, Dmytro Čyževs'kyj Professor of Ukrainian Literature
 Terry D. Martin, George F. Baker III Professor of Russian Studies
 Serhii Plokhii, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History

The Standing Committee on Ukrainian Studies oversees the systematic study in Ukrainian fields throughout the departments of the Faculty of Arts and Sciences. Students wishing to obtain a doctorate in a particular discipline of Ukrainian Studies, such as language, literature, history, or politics should first fulfill all the requirements of the department of their scholarly discipline (departments of Slavic Languages and Literatures, Linguistics, History, or Government): they may then proceed to the fulfillment of specific qualifications in the Ukrainian aspect of their disciplines under the supervision of the Committee's faculty. Graduate students may also focus on Ukrainian Studies in the Degree of Master of Arts in Regional Studies - Russia, Eastern Europe, and Central Asia. The weekly Seminar in Ukrainian Studies serves as an interdisciplinary introduction to all aspects of Ukrainian disciplines; it is open for enrollment to graduate students, and with permission to undergraduates.

The Ukrainian Research Institute sponsors programs, events and activities of interest to both students and specialists in Ukrainian Studies. Specific questions concerning the program of Ukrainian Studies at Harvard may be addressed to the Programs Administrator of the Ukrainian Research Institute at 34 Kirkland Street, Cambridge, MA 02138.

Primarily for Graduates

***Ukrainian 200. Ukrainian Studies: Seminar**

Catalog Number: 7927

Michael S. Flier, George G. Grabowicz, Serhii Plokhii (fall term), and staff

Full course. M., 4-6. EXAM GROUP: 9

Interdisciplinary seminar in Ukrainian studies with broad regional and comparative perspective. Faculty and invited scholars discuss a variety of topics in the humanities and social sciences. Background readings and follow-up discussions help students put the specific lectures in broader context. Students also conduct an individually tailored reading and research project under the guidance of a faculty advisor and in consultation with other resident specialists.

Courses of Interest

[Government 1203. Capitalism and Democracy in Central and Eastern Europe]

[Government 2213. Comparative Politics of Post-Socialism]

***History 72f (formerly *History 1529). East European Identities: Russia and Ukraine**

***History 72i. Cities and the Making of Modern Russia - (New Course)**

***History 79f. Empire and Nation in Russia and China - (New Course)**

***History 82f. The Origins of the Cold War: The Yalta Conference (1945)**



[*History 82g. The Black Sea World]
[*History 82h (formerly *History 1532). Everyday Life in the Soviet Union]
[History 1114 \(formerly History 1514\). Early Modern Eastern Europe \(1450-1795\)](#)
[History 1270. Frontiers of Europe: Ukraine since 1500](#)
[History 1280 \(formerly History 1531\). History of the Soviet Union, 1917-1991](#)
[History 1281. The End of Communism - \(New Course\)](#)
[History 1285. Russia and the Great Eurasian Steppe](#)
[History 1290. The History of the Russian Empire](#)
[*History 2260 (formerly *History 2441). Central Europe: Seminar]
[History 2271 (formerly History 2532). The Soviet Union: Proseminar]
[History 2272 \(formerly History 2531\). The Soviet Union: Seminar](#)
[History 2285. Imperial Russia: Proseminar - \(New Course\)](#)
[Linguistics 250. Old Church Slavonic](#)
[Linguistics 252. Comparative Slavic Linguistics]
[Literature 160 \(formerly Comparative Literature 160\). Literary Forgeries and Mystifications](#)
[Literature 164. The 20th-Century Post-Realist Novel in Eastern Europe: Conference Course]
[Slavic Ga. Beginning Ukrainian I](#)
[Slavic Gb. Beginning Ukrainian II](#)
[*Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian](#)
[Slavic 165. Survey of 19th-Century Ukrainian Literature]
[Slavic 166. Russian-Ukrainian Literary Relations in the 19th Century: Conference Course](#)
[Slavic 223. 19th-Century Ukrainian Poetry](#)
[Slavic 224. Pavlo Tychyna and His Age]
[Slavic 280r. Slavic Culture: Seminar](#)
[Slavic 291. Problems in the History of Early Ukrainian Literature]
[Slavic 292. 20th-Century Ukrainian Prose]

Visual and Environmental Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Visual and Environmental Studies

Marjorie Garber, William R. Kenan, Jr. Professor of English and of Visual and Environmental Studies (*Chair*)

Edward A. Barron, Lecturer on Visual and Environmental Studies

Drew Beattie, Lecturer on Visual and Environmental Studies

Giuliana Bruno, Professor of Visual and Environmental Studies



Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology, Associate Professor of Visual and Environmental Studies (*on leave fall term*)
Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies (*Director of Graduate Studies*)
Thomas Eggerer, Visiting Lecturer on Visual and Environmental Studies
Haden R. Guest, Lecturer on Visual and Environmental Studies
Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts
Sharon C. Harper, Assistant Professor of Visual and Environmental Studies
Chris Killip, Professor of Visual and Environmental Studies
Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies
Sarah Jane Lapp, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
Annette Lemieux, Professor of the Practice of Studio Arts
Ruth S. Lingford, Professor of the Practice of Animation (*Director of Undergraduate Studies*)
David Lobser, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
David Cooke MacDougall, Visiting Lecturer on Visual and Environmental Studies
Ross McElwee, Professor of the Practice of Filmmaking
Helen Mirra, John L. Loeb Associate Professor of the Humanities
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking
Stephen Prina, Professor of Visual and Environmental Studies
D. N. Rodowick, Professor of Visual and Environmental Studies (*on leave 2009-10*)
Jan Schütte, Visiting Professor of Visual and Environmental Studies
Amie Siegel, Assistant Professor of Visual and Environmental Studies
Daniel A. Sousa, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development
Gerda Birgitta Sophie Tottie, Visiting Lecturer on Visual and Environmental Studies
Carlin Elinore Wing, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)
Andrew B. Witkin, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)
Michele A. Zalopany, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature
Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures
Mary M. Steedly, Professor of Anthropology
Alain Viel, Senior Lecturer on Molecular and Cellular Biology

The curriculum of the Department of Visual and Environmental Studies engages both practical and theoretical aspects of the built environment, digital media, drawing, film, painting, performance, photography, printmaking, sculpture, sound, video, and writing.

Most introductory-level courses are designated with two-digit course numbers and non-introductory courses with three-digit course numbers. The department also offers 200-level courses for PhD students in the Film and Visual Studies graduate secondary field.



Tutorials or special research projects may be taken only if they have been approved by the Director of Undergraduate Studies. Application forms for all VES tutorials can be picked up in the VES Department Office or downloaded from the VES website at www.ves.fas.harvard.edu.

In addition to the studio and lecture courses taught by members of the faculty of Visual and Environmental Studies, the department encourages students to explore course opportunities at the MIT Institute for Advanced Visual Studies as well as the Harvard Graduate School of Design.

Each term the department sponsors a lecture series held at the Carpenter Center for the Visual Arts. These lectures are designed to augment and inform the curriculum of the department and are usually held on Thursday evenings.

For further information on the faculty and courses in the Department of Visual and Environmental Studies, requirements for concentration, as well as the Carpenter Center lecture series, please contact the department office located on the 1st Floor of the Carpenter Center for the Visual Arts, 24 Quincy Street or visit our website at www.ves.fas.harvard.edu.

Primarily for Undergraduates

[*Visual and Environmental Studies 10. Drawing—Materials and Methods: Studio Course]

Catalog Number: 6945 Enrollment: Limited to 12.

Instructor to be determined

Half course (fall term). Tu., 1-5 and 6-8 pm.

With the elements of composition as a basis, this course utilizes various drawing media in a series of exercises which incrementally construct an understanding and expansion of visual vocabulary. Drawing from life, the model, still-life, photographs and invention will be employed. Although emphasis will be on drawing what you see, the exercises will contribute to an inclusive development of abstract and conceptual principals with an added emphasis on content and subject matter.

Note: Expected to be given in 2010–11. No previous studio experience necessary.

***Visual and Environmental Studies 15ar. Silkscreen: Studio Course**

Catalog Number: 2262 Enrollment: Limited to 12.

Annette Lemieux

Half course (fall term). M., 1-5 and 6-8.

For the student who is interested in the manipulation of found and original imagery. Students will create monotypes on paper and other surfaces utilizing the silkscreen process. Through slide presentations, the class will be introduced to the work of artists such as Rauschenberg and Warhol, as well as others who use the silkscreen process.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 22. Subtle Skills: Studio Course - (New Course)**

Catalog Number: 88474 Enrollment: Limited to 12.

Gerda Birgitta Sophie Tottie

Half course (fall term). Tu., Th., 9–12.

In this beginning-level studio course, students get acquainted with a variety of painting and



drawing media. Students paint and draw during and outside class, working to find their own painterly practice. The course aims to put skill into perspective while unassumingly practicing and studying some of the tools used for image making. Critiques, readings, and exhibition visits are integral to the course.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 23. Watercolor Painting: Studio Course**

Catalog Number: 7975 Enrollment: Limited to 12.

Michele A. Zalopany

Half course (fall term). Tu., 1-5, and 6-8 p.m.

Through the medium of watercolor, we conduct an exploration of the principals of composition including color, with an emphasis on drawing what you see as well as content. Through studies in carefully constructed exercises, students can expand visual vocabulary and conceptual understanding of the media. We will work from life, photographs, and still-life.

***Visual and Environmental Studies 25x. Making Material Mean: Studio Course - (New Course)**

Catalog Number: 52059 Enrollment: Limited to 12.

Gerda Birgitta Sophie Tottie

Half course (spring term). M., W., 9-12.

In this painting and mixed media course, we will study all supports to underline their expressive qualities. We will examine traditional and alternate materials that can be used as expressions in themselves in our work. Students work with their own images independently, but are guided regularly in individual studio talks.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 26. Monsters - (New Course)**

Catalog Number: 68416 Enrollment: Limited to 12.

Drew Beattie

Half course (spring term). W., 1-5. EXAM GROUP: 6, 7, 8, 9

From the prehistorical to the present, the monster has been a constant in art. In our own time of hybridity, concurrent identity, the morph and the mash-up, as well as an endless supply of scientific, historical, social and psychological revelations, the monster remains a timely concern. The course will emphasize speculative making, low-tech initiative, and a diversity of embodiments and meanings available to the subject.

Note: No studio experience necessary.

***Visual and Environmental Studies 28. Collage Sensibility - (New Course)**

Catalog Number: 53309 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). W., 1-4, and 6-8 p.m.

A studio course structured around collage as drawing. Students will make presentations focused on historical and contemporary practice in the medium as background to their own artistic production. Projects will emphasize the merger of appropriated and self-made materials, and the combining of imagery, abstraction and text toward a variety of goals. The course will conclude



with the application of collage principles to a medium outside of two-dimensional drawing.

Note: No studio experience necessary.

***Visual and Environmental Studies 29. Painting Day and Night - (New Course)**

Catalog Number: 44403 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). Tu., 1-6.

A studio course emphasizing the fundamentals of oil painting. Students will capture the illusion of form, space and light through the handling of paint and color. Subjects will include still life arrangements, the interior of the studio and views out its windows. Images from the observation of daylight will be followed by those belonging to night.

Note: No studio experience necessary.

***Visual and Environmental Studies 32. Reconstruction: Studio Course**

Catalog Number: 1790 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). Tu., 1-4 and additional times to be arranged.

A studio course, for making things out of other things, attending to the realms of demolition, waste, surplus, and detritus.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 36. Making as Thinking: Sculpture - (New Course)**

Catalog Number: 23095 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Tu., Th., 1-4.

A studio course in which to experiment with simultaneous making and thinking, with simple yet unbounded materials and methods.

Note: No studio experience necessary.

***Visual and Environmental Studies 37. Lay of the Land: Studio Course**

Catalog Number: 3090 Enrollment: Limited to 12.

Stephen Prina

Half course (spring term). Tu., Th., 1-4.

The pursuit of and response to the horizontal in art will be the focus of this studio class. To cite a few examples, abstract expressionist painting, cartography, earthworks, landscape photography, 19th century German Romantic landscape painting, and Rayograms will provide models of the horizontal that will be points of departure for studio projects, the forms of which will be determined by what the investigation provides. Students will shift medium from project to project.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 38. Baggage: Studio Course - (New Course)**

Catalog Number: 43153 Enrollment: Limited to 12.

Andrew B. Witkin

Half course (spring term). M., 1-4 p.m. and additional times to be arranged.

Engaging personal and public notions of authorship, veracity, legibility, history and value, this



class focuses on exploration and performance in collecting. Students will examine possibilities and patterns to understand choice, advice, intuition and peculiarity with the goal of better communication. Sources include information distribution models, history, exhibitions in and out of art contexts and a focus on comfort. This will aid students in investigations into personal and collaborative projects employing a variety of media, methods and modes.

Note: No previous studio experience necessary. Students from other disciplines are highly encouraged to take the course

***Visual and Environmental Studies 40a. Introduction to Still Photography: Studio Course**

Catalog Number: 2010 Enrollment: Limited to 10.

Chris Killip

Half course (fall term; repeated spring term). M., W., 9-12. EXAM GROUP: Spring: 2, 3, 4

Introduction to still photography through individual and group exercises, with an emphasis on the medium as a vehicle for expression, documentation, and personal vision. Covers necessary technical, historical, and aesthetic aspects of the medium.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 40b. Intermediate Photography: Studio Course**

Catalog Number: 6256 Enrollment: Limited to 10.

Chris Killip

Half course (spring term). M., W., 1-4.

Designed to extend the student's understanding of the process through which meaning is produced in photography. Examines differing approaches to format, context, and presentation through a series of set projects.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 41a. Introduction to Still Photography: Studio Course**

Catalog Number: 0705 Enrollment: Limited to 10.

Sharon C. Harper

Half course (fall term; repeated spring term). Tu., Th., 9-12.

Introduction to still photography with an emphasis on the medium as a vehicle for expression and personal vision. Covers technical, historical, and aesthetic aspects of the medium. Class is organized around slide lectures, individual meetings, group critiques, and readings.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 41br. Photographic Inquiry: Studio Course**

Catalog Number: 9484 Enrollment: Limited to 10.

Sharon C. Harper

Half course (fall term). Tu., Th., 1-4.

Class emphasis will be on developing visual ideas for a self-directed photographic project. Class will be structured around regular critiques, individual meetings, readings, class discussions and museum visits. Students will create a group of photographs for a final project that are the result of a sustained, self-directed creative process.

Prerequisite: At least one half-course in photography or permission of the instructor.



***Visual and Environmental Studies 42a. Introduction to Still Photography: Studio Course**

Catalog Number: 0622 Enrollment: Limited to 10.

Carlin Elinore Wing

Half course (fall term). Tu., Th., 1–4.

Introduction to still photography through individual and group exercises, with an emphasis on the medium as a vehicle for expression, documentation, and personal vision. Covers necessary technical, historical, and aesthetic aspects of the medium.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 50. Fundamentals of Filmmaking: Studio Course**

Catalog Number: 4907 Enrollment: Limited to 20.

Alfred F. Guzzetti and Robb Moss

Full course. M., 1-4, W., 1-5; or Tu., 1-4, Th., 1-5. EXAM GROUP: Spring: 6, 7, 8, 9

Introductory exercises in live-action filmmaking culminating in the production of a nonfiction film as a group project in the spring term.

***Visual and Environmental Studies 51a. Fundamentals of Video: Studio Course**

Catalog Number: 7526 Enrollment: Limited to 10.

Robb Moss

Half course (spring term). Tu., Th., 1-4, and a 1-hour lab to be arranged.

A series of nonfiction projects, both individual and collaborative, designed to introduce and explore the range of expressive possibilities in digital video.

***Visual and Environmental Studies 51br. Nonfiction Video Projects: Studio Course**

Catalog Number: 3838 Enrollment: Limited to 10.

Ross McElwee

Half course (fall term). M., W., 1–4.

Working from a proposal approved in advance by the instructor, each student plans, shoots, and edits a documentary video of his or her design. Shooting should take place over the summer and editing during the fall term. Readings and screenings augment individual work.

Note: In exceptional cases, a student will be permitted to take the course without having filmed over the summer, but the student must have a specific proposal for a documentary that can be both shot and edited during the term. An interview with the instructor is required for admission.

Prerequisite: At least one VES half-course in live-action film or video.

***Visual and Environmental Studies 52a. Introduction to Video**

Catalog Number: 5337 Enrollment: Limited to 10.

Robb Moss

Half course (fall term). Tu., Th., 1-4.

This course is organized to give students an immersive experience in non-fiction video production. Utilizing political and personal filmmaking assignments, weekly film screenings, and regular technical workshops, students will produce a series of short video tapes designed to explore digital filmmaking's expressive possibilities.

Note: Admission is by interview with the instructor.



***Visual and Environmental Studies 53a. Fundamentals of Animation: Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Sarah Jane Lapp

Half course (spring term). Tu., 1-5, and weekly film screenings F., 1-3; . EXAM GROUP: 15, 16, 17, 18

Strategies for creating an alternative cosmos - imagined, utopic, glorious.

***Visual and Environmental Studies 54s. Animating Science - (New Course)**

Catalog Number: 83728 Enrollment: Limited to 10.

Ruth S. Lingford and Alain Viel

Half course (spring term). Th., 1-5 and film screenings F. 1-3. EXAM GROUP: 15, 16, 17, 18

This hands-on class will investigate the cross-overs between science and animation. How can animation communicate abstract ideas? How can science inspire the artist? Students will acquire some fundamental animation skills, and will work on individual and group projects. This class will be suitable for students with an interest either in science or visual art, or both.

***Visual and Environmental Studies 57. Maya and Multi Media**

Catalog Number: 4275 Enrollment: Limited to 10.

David Lobser

Half course (fall term). Th., 1-5, and film screenings F., 1-3.

This course will offer a basic introduction to 3D Computer animation, and explore hybrid forms of animation and the new thinking they enable.

[*Visual and Environmental Studies 58r. Image, Sound, Culture: Studio Course]

Catalog Number: 6680 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (spring term). F., 9-12, F., 2-5.

Students use video, sound, and/or hypermedia to produce short works about embodied experience, culture, and nature, and are introduced to current issues in aesthetics and ethnography.

Note: Expected to be given in 2010-11. No previous studio experience necessary.

***Visual and Environmental Studies 59x. Exercises in Narrative Film with Space and Music - (New Course)**

Catalog Number: 17099 Enrollment: Limited to 10.

Jan Schütte

Half course (spring term). W., 10-12.

We will analyze films in hindsight of their use of space, architecture and landscape to create emotions and dramatic effects, as well as analyzing how music affects narration in movies.

Students will select a scene and film two short scenes on video in different locations, edit them, and compare the effects.

Prerequisite: Experience in video filmmaking required.

***Visual and Environmental Studies 62. Film Fatale: Sculpture, Performance and Video Essay - (New Course)**

Catalog Number: 73367 Enrollment: Limited to 10.



Amie Siegel

Half course (fall term). M., 1-3, W., 1-4.

A studio art course on the avant-garde film and performance work of women artists and filmmakers including Babette Mangolte, Yvonne Rainer, Valie Export, Helke Sander, Chantal Akerman, Agnes Varda, Mary Kelly, Adrian Piper, Nancy Graves, Hannah Wilke, Martha Rosler and Marina Abramovic. We will study the interaction between sculpture, performance and cinema, as well as the "essay film" that shudders on the edge of fiction, documentary and performance. Appropriate for students of art history, film studies, visual art and video as well as the curious and committed.

Note: Priority will be given to students who have completed at least one VES course in photography, film or video, but no previous video experience is required.

***Visual and Environmental Studies 65. Tactics—Art, Politics and Performance: Studio Course**

Catalog Number: 0143 Enrollment: Limited to 10.

Amie Siegel

Half course (fall term). Tu., 1-4, Th., 1-3.

An introductory video course that asks what makes a work of art political? Through student creation of individual and collective works, as well as reading, discussion, performance, critique and viewing, we examine (and enact) approaches to the social sphere. Over the arc of the semester, students will focus on various tactics of radical art and disturbance, participating in workshops on performance, artist collectives, appropriation and cultural critique, from which may spring forth manifestoes, actions, insertions. Special focus on video as research instrument, inscription of occurrence, performance mirror, subjective essay, and mixing turntable for heterogeneous materials.

Note: One half-course in film, video or performance useful but not required.

***Visual and Environmental Studies 68. Delirious Montage: Images in Time and Space - (New Course)**

Catalog Number: 21845 Enrollment: Limited to 10.

Amie Siegel

Half course (spring term). Tu., 1-4, Th., 1-3.

In this studio course we will use photography, film, video, digital media and appropriated or "found" material in the production of our own art works. Participants explore collage, photomontage and pastiche, and editing moving images in video. How do images shift when juxtaposed with one another? How do rhythm, pacing and structure work in moving image art works? We will take in many artists' approaches to image juxtaposition, including those who engage via narrative, association, serial, rebus and photo-roman.

Note: Useful for beginning students in visual art and film/video as well as more advanced practitioners.

***Visual and Environmental Studies 70 (formerly Literature and Arts B-11). The Art of Film**

Catalog Number: 4249 Enrollment: Limited to 35.

Edward A. Barron

Half course (fall term). M., W., at 10; a weekly film screening T., 4-6:30 and a weekly section to



be arranged. EXAM GROUP: 3

An introduction to film style and aesthetics with a focus on developing critical and formal analytical skills. Through readings and screenings of a broad range of films, the class examines the primary visual, aural, and narrative conventions by which motion pictures create and comment upon significant social experience. Issues of mise-en-scène, framing, image composition, photographic space, editing, sound, narrative structure, and point of view will be discussed as components of cinematic style and meaning.

Note: No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

[Visual and Environmental Studies 71. Silent Cinema]

Catalog Number: 1971

Instructor to be determined

Half course (fall term). Tu., Th., 10-11, a weekly film screening T 1-3, and sections to be arranged. . EXAM GROUP: 12

This course will survey the development of the film medium and the film industry from the beginnings in the 1890s up to the conversion to sound in the late 1920s, covering key textual and institutional transformations and tying these together with the broader cultural and social context in which films were made, exhibited, and understood. We will discuss the main national schools and international trends of filmmaking.

Note: Expected to be given in 2010–11. No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

Visual and Environmental Studies 72. Sound Cinema

Catalog Number: 6997

Edward A. Barron

Half course (spring term). Tu., Th., 10-11; screenings F., 10-12, and a weekly section to be arranged. EXAM GROUP: 12

How does sound change what we see? What new stories become possible? How does the space of cinema change between 1930 and 1960? What happens when we throw color and widescreen into the mix? We'll seek answers to these questions while investigating the political and industrial contexts of international masters of the medium. Films and filmmakers include: *The Blue Angel*, *Citizen Kane*, *Rashomon*, *The Red Shoes*; Busby Berkeley, Hitchcock, Satyajit Ray, Ozu, and Antonioni.

Note: No background in film history or theory necessary. Required for all students concentrating in Film Studies. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***Visual and Environmental Studies 80. Loitering: Studio Course**

Catalog Number: 9394 Enrollment: Limited to 12.

Stephen Prina

Half course (fall term). Tu., Th., 1–4.

You will hang out in the vicinity of culture and make things in response to it. This class is not



thematic or linked to any particular discipline.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 90c (formerly VES 90c. The History of Now). Art and Historical Memory, 1980-the Present**

Catalog Number: 2994 Enrollment: Limited to 12.

Carrie Lambert-Beatty

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

What is it about the present that is making so many artists interested in the past? How do personal and public memory take form in art, now? This art history/criticism seminar will discuss practices that range from re-staging recent riots to reciting historical speeches, modifying museums to inventing historical figures, as we explore art's current contribution to our understanding of the past.

Visual and Environmental Studies 92. Contemporary Art - (New Course)

Catalog Number: 53514

Carrie Lambert-Beatty

Half course (spring term). M., W., 11-12 with weekly sections to be arranged. EXAM GROUP: 4

Art of the last fifty years, with an eye to issues facing artists working today. Pop, Minimalism, Conceptual Art, Installation, and New Media: in surveying these and other developments in recent art, lecture-based class will address such topics as modernism/postmodernism; changing models of artistic work and artists' identity; and globalization and the artworld.

Note: Recommended for VES concentrators.

***Visual and Environmental Studies 96r. Directed Research: Studio Course**

Catalog Number: 7299 Enrollment: Limited to 10.

Stephen Prina

Half course (fall term; repeated spring term). W., 6-9 pm, and additional hours to be arranged.

This course is intended for students who have developed the beginnings of a practice they are prepared to pursue. The motive is to assemble a group of disparate artists who come together to exchange thoughts across disciplines: painting next to photography next to writing next to filmmaking, and so on.

Note: Recommended for concentrators in Visual and Environmental Studies in their junior and senior year but also open to others with permission of the instructor.

Tutorials, Projects, and Research

Preparation for thesis is begun in studios and seminars and is carried to completion in a VES 99 tutorial during the senior year. *In rare instances* students needing special preparation not available in regularly offered courses can enroll in an optional junior or even sophomore tutorial, or a special projects course. Tutorial proposals will be considered by the Director of Undergraduate Studies only with written permission of the project adviser and if the material to be covered is substantially different from other departmental offerings. Ordinarily, tutorial proposals must be submitted before Study Cards are due. Check the department calendar for due dates.



Alternatively, students may wish to consider *Visual and Environmental Studies 96r, Directed Research*, which is intended for students who have developed the beginnings of a practice they are prepared to pursue. Please see course description above.

***Visual and Environmental Studies 91r. Special Projects**

Catalog Number: 9183

Ruth S. Lingford and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Open to a limited number of students who wish to carry out a special project under supervision. Students wishing to enroll in VES 91r must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Letter-graded only. Special Project tutorials are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.

Visual and Environmental Studies 92. Contemporary Art - (New Course)

Catalog Number: 53514

Carrie Lambert-Beatty

Half course (spring term). M., W., 11-12 with weekly sections to be arranged. EXAM GROUP: 4

Art of the last fifty years, with an eye to issues facing artists working today. Pop, Minimalism, Conceptual Art, Installation, and New Media: in surveying these and other developments in recent art, lecture-based class will address such topics as modernism/postmodernism; changing models of artistic work and artists' identity; and globalization and the artworld.

Note: Recommended for VES concentrators.

***Visual and Environmental Studies 97r. Tutorial - Sophomore Year**

Catalog Number: 0450

Ruth S. Lingford and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses. Concentrators wishing to take a tutorial in their sophomore year must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Optional for sophomore concentrators. Letter-graded only. Tutorials are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.

***Visual and Environmental Studies 98r. Tutorial - Junior Year**

Catalog Number: 1411

Ruth S. Lingford and Members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Individual instruction in subjects of special interest that cannot be studied in regular courses. Concentrators wishing to take a tutorial in their junior year must find a member of the faculty to advise the project and submit an application to the Director of Undergraduate Studies.

Note: Optional for junior concentrators. Letter-graded only. Tutorials are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.



***Visual and Environmental Studies 99. Tutorial - Senior Year (Thesis/Senior Project)**

Catalog Number: 5141

Ruth S. Lingford and Members of the Department

Full course. Hours to be arranged.

All students wishing to undertake a VES 99 project must have permission of the project adviser before being considered. The Director of Undergraduate Studies must approve all VES 99 projects and all theses must be approved by the VES Honors Board in advance.

Note: Optional for senior concentrators. Letter-graded only. Students must be enrolled in VES 99 to do a thesis. Students should arrange regular tutorial meetings with their project adviser. Senior theses and projects are led by individual faculty members; however study cards should be signed by the Director of Undergraduate Studies.

For Undergraduates and Graduates

[Visual and Environmental Studies 100b (formerly 193). Introduction to Video Art: Art in Media Culture]

Catalog Number: 0569

Carrie Lambert-Beatty

Half course (fall term). Hours to be arranged.

Contemporary artists trying to bridge the gap between art and life have to grapple with the fact that more and more of “life” is lived through mass media. Since the 1960s, many have found in video technology an especially appropriate and flexible means for thinking through this condition. This class examines single-channel video and video installation along with related sculpture, performance, conceptual, and new media art.

Note: Expected to be given in 2010–11. This is an introductory art history/criticism class. No previous background necessary.

[*Visual and Environmental Studies 104. Culture Jam: Art and Activism since 1989: Seminar]

Catalog Number: 1066 Enrollment: Limited to 12.

Carrie Lambert-Beatty

Half course (fall term). M., 2–4.

We are living through a period of remarkable creativity in political expression: from anti-consumerism TV ads to imposter websites; “billboard liberation” to faux corporations, digital hijacking to lifestyle performance. Sometimes labeled art, sometimes not, these activities have sources in both political and art history. In this history/theory seminar we will ask: Where is the line between art and activism today? And how are we to evaluate the efficacy, ethics, and aesthetics of the new hybrids?

Note: Expected to be given in 2010–11. Primarily intended for junior and senior concentrators in Visual and Environmental Studies, but others admitted with permission of the instructor.

***Visual and Environmental Studies 107. Studies of the Built North American Environment since 1580**

Catalog Number: 7883 Enrollment: Limited to 20.

John R. Stilgoe

Half course (fall term). Tu., Th., 10–11:30.



North America as an evolving visual environment is analyzed as a systems concatenation involving such constituent elements as farms, small towns, shopping malls, highways, suburbs, and as depicted in fiction, poetry, cartography, television, cinema, and advertising and cybernetic simulation.

Note: Offered jointly with the Graduate School of Design as 4105.

***Visual and Environmental Studies 118. Painting into Sculpture into Painting - (New Course)**

Catalog Number: 16894 Enrollment: Limited to 12.

Drew Beattie

Half course (spring term). Tu., 1-6.

In a series of projects, paintings provoke or become sculpture, the discoveries of which return to painting. Individual creative development will be the emphasis.

Prerequisite: Prior experience in painting or permission of the instructor.

***Visual and Environmental Studies 123r. Post Brush: Studio Course**

Catalog Number: 7463 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). Tu. 1-5 and 6-8.

Using the silkscreen printing process, students will create paintings and objects that incorporate images and text found in popular culture. Through slides, videos and informal discussions, students will be introduced to the Pop artists of the 20th century as well as other contemporary artists.

Prerequisite: At least one VES studio half-course or permission of the instructor.

***Visual and Environmental Studies 124x. The Painted Room: Studio Course - (New Course)**

Catalog Number: 36952 Enrollment: Limited to 12.

Gerda Birgitta Sophie Tottie

Half course (fall term). M., W., 9-12.

This painting course emphasizes paintings and drawings in relation to the rooms in which they exist. Students create images for on-site projects while learning to build a simple scale model in which they will test their own projects. The computer will be used as a tool to help in our exploration of translating and organizing scale. We will look at older murals and contemporary artists' use of painting and drawing in relation to the site.

Prerequisite: At least one VES studio half-course or portfolio presentation.

***Visual and Environmental Studies 126r. The Way to Painting (Possibly): Studio Course**

Catalog Number: 3289 Enrollment: Limited to 12.

Thomas Eggerer

Half course (fall term; repeated spring term). Fall: Th., 1-5, Th., 6-8 p.m.; Spring: M., 1-5, M., 6-8 p.m. EXAM GROUP: Spring: 6, 7, 8, 9

As a "painter" I go through a multitude of preparatory activities in the process of making paintings. Curiosities in a particular subject matter may result in a collection of diverse materials. Such an archive could spark a plethora of activities aimed at focusing interests and producing objects of aesthetic qualities. This class will give equal attention to those often under-appreciated



processes containing a thought or a spontaneity often lost in a “finished” piece of art.

Prerequisite: At least one VES studio half-course or permission of the instructor (portfolio presentation).

***Visual and Environmental Studies 128. The "Motor" of the Artist: Studio Course - (New Course)**

Catalog Number: 67166 Enrollment: Limited to 12.

Gerda Birgitta Sophie Tottie

Half course (spring term). Tu., Th., 9–12.

This painting and mixed media course looks at the works of different artists to explore the motivation and driving forces of making art. Over the semester students should develop a project around motivation. This class is about practically pursuing passions, doubts, questioning. Individual and group critiques inform independent studio time where students experiment with finding their own reason in making images. Exhibition visits, lectures by invited artists and student presentations are important components of the course.

Prerequisite: At least one VES studio half-course or portfolio presentation.

***Visual and Environmental Studies 130br. Sculpture as Analog: Studio Course**

Catalog Number: 8528 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). M., W., 1-4.

With a general focus on making sculpture, this course explores issues of visibility and textuality, content and form, analogy and abstraction, objectivity and subjectivity. Projects will build on intellectual work already begun by the student outside of VES.

Prerequisite: At least one VES half-course or permission of the instructor.

[*Visual and Environmental Studies 133. Sculpture—Making Space: Studio Course]

Catalog Number: 6259 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Tu., 6-9 pm, and additional hours to be arranged.

What would it mean to make artwork that *makes* space as opposed to taking up space? This class is a forum for thinking about what this could mean, and for exploring different possibilities for what might be a simultaneous making and unmaking.

Note: Expected to be given in 2010–11.

Prerequisite: At least one VES half-course or permission of the instructor.

***Visual and Environmental Studies 134r. Experiments in Art and Labor: Studio Course - (New Course)**

Catalog Number: 32001 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). M., 1-4 and additional times to be arranged.

A course in which to develop modes of art practice which include forms of labor not generally associated with artmaking. For example, working collaboratively, students may research and undertake urban gardening, as a model of ingenious and perhaps pirate activity.

Prerequisite: At least one VES half-course or permission of the instructor.



***Visual and Environmental Studies 141r. Moving On: Examining Time, Space, and Motion Within Photography - (New Course)**

Catalog Number: 10898 Enrollment: Limited to 10.

Sharon C. Harper

Half course (spring term). Tu., Th., 1–4.

A response to the place where motion and still photography approach one another will be the focus of this studio class. A phenomenological approach to image making will be emphasized to upend ideas of time, space and motion. Artists who raise these issues including Robin Rhodes, Michael Wesley, Tacita Dean, Bill Viola and Hiroshi Sugimoto will provide grounding for experimental student-directed projects.

Prerequisite: At least one half course in photography or the permission of the instructor.

[*Visual and Environmental Studies 143r. The Photographer as Auteur: Studio Course]

Catalog Number: 2835 Enrollment: Limited to 10.

Chris Killip

Half course (spring term). W., 9–12.

Explores the way in which some photographic practitioners have questioned accepted photographic conventions and are rejecting the historical orthodoxy in favor of a more subjective statement. Each student is expected to complete a major photographic project that reveals his or her own personal photographic style and preoccupations while still retaining a direct and discernible relationship to the subject.

Note: Expected to be given in 2010–11.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 146r. The Photographic Portrait: Studio Course**

Catalog Number: 5743 Enrollment: Limited to 10.

Chris Killip

Half course (fall term). M., W. 1-4.

An examination of the practical, sociological, historical, and aesthetic issues surrounding portrait photography in parallel with the active participation of each student in his/her own photographic project.

Prerequisite: VES 40a or VES 40b or equivalent preparation (portfolio presentation).

[*Visual and Environmental Studies 147r. The Constructed Image—Art Between Architecture, Landscape and Photography: Studio Course]

Catalog Number: 2011 Enrollment: Limited to 10.

Instructor to be determined

Half course (spring term). Hours to be arranged.

Using the Latin meaning of *camera* (chamber, or room) as a point of departure, students will explore the relationship between the literal construction of spaces for living and photography as a tool for constructing images of such human improvements. Through examining precedents from pre-photographic history to the work of contemporary practitioners, a heightened awareness of the interdependence between photographic apparatus and subject will instigate pictorial investigations in the form of studio projects.

Note: Expected to be given in 2010–11.

Prerequisite: At least one half-course in photography or permission of the instructor.



[*Visual and Environmental Studies 148r. Conceptual Strategies in Photography: Studio Course]

Catalog Number: 2429 Enrollment: Limited to 12.

Instructor to be determined

Half course (spring term). Hours to be arranged.

There has been a shift from the traditional notion of art work to the idea of art project. The art project could be understood as a concept structured in a constellation of different but independent elements, in which the author is able to master not only the implicit creative aspects but also a certain social dimension. We deal with the sequential steps of a photography project: creative conception, documentation, practical realization, and critical evaluation.

Note: Expected to be given in 2010–11.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 150ar. Intermediate Film Production: Studio Course**

Catalog Number: 4692 Enrollment: limited

Jan Schütte

Half course (fall term). Tu., 1-4, Th., 1-4.

Class will focus on narrative fiction film. Students will explore the technical and artistic possibilities of narrative fiction film by writing, directing and editing several short exercises as well as developing a script for a spring term project. The work will be discussed extensively in class. Students will also learn the techniques of lighting, sound recording and editing.

Note: Interview with instructor required for admission.

Prerequisite: VES 50.

***Visual and Environmental Studies 150br. Intermediate Film Production: Studio Course**

Catalog Number: 3934 Enrollment: Limited

Jan Schütte

Half course (spring term). Tu., 1-4, Th., 1-4:00.

Students will prepare, shoot and edit a short fiction film based on a script developed in the fall term. Students will be required to be involved in shooting, sound recording and editing on other student films. The work will be discussed extensively in class.

Note: Students seeking to enroll should come to the first class meeting with a fully developed short narrative fiction screenplay.

Prerequisite: VES 150ar.

***Visual and Environmental Studies 152r. Intermediate Video Workshop: Studio Course**

Catalog Number: 8012 Enrollment: Limited to 10.

Alfred F. Guzzetti

Half course (spring term). F., 1–5:30.

An extended nonfiction or experimental video project of the student's design, supplemented by brief exercises aimed at exploring the capabilities of the medium.

Note: Students seeking to enroll should come to the first class meeting with a proposal for a video project to be completed in the course.

Prerequisite: One VES half-course in video production.



[*Visual and Environmental Studies 153ar. Intermediate Animation--Making an Animated Film: Studio Course]

Catalog Number: 5211 Enrollment: Limited to 10.

Instructor to be determined

Half course (spring term). W., 1-5, and weekly film screenings F., 1-3.

Each student will design and produce a single short animation project based on an original idea, or a literary, mythic, or folkloric source of their choice. We will explore the possibilities and problems matching form and content in animated films, and develop conceptual tools each student can employ in the creation of individual project work. This course will accept both introduction level and intermediate level students.

Note: Expected to be given in 2010–11.

***Visual and Environmental Studies 153br. Intermediate Animation Workshop: Studio Course**

Catalog Number: 3477 Enrollment: Limited to 10.

Sarah Jane Lapp

Half course (spring term). M., 6-8, plus additional lab hours to be arranged, and weekly film screenings F., 1-3.

A sanctuary for animators in media res, or for those generating a new project.

Prerequisite: At least one VES half-course in animation or permission of the instructor.

***Visual and Environmental Studies 154br. Animation Workshop: Studio Course**

Catalog Number: 1484 Enrollment: Limited to 10.

Daniel A. Sousa

Half course (fall term). M., 1-5, and weekly film screenings F., 1-3.

This course allows each student to make a short animated film, taking it through all the stages from idea to post-production. Open to beginners and experienced animators.

[*Visual and Environmental Studies 155p. Combining Animation and Live Action: An Exploration of the Many Ways to Make a Composite Film: Studio Course]

Catalog Number: 3943 Enrollment: Limited to 10.

Instructor to be determined

Half course (fall term). Hours to be arranged.

This intermediate level animation class will explore creative potentials, and technical challenges, of combining live action and animation within a single film. Each student will create an individual short film project. At each stage, from early concepts to final grading, we will address the particular possibilities of such fabricated filmic worlds: developing aesthetic approaches, techniques, and a workflow tailored to such projects.

Note: Expected to be given in 2010–11.

Prerequisite: At least one VES half-course in animation or permission of the instructor.

[*Visual and Environmental Studies 156r. Animating to a Soundtrack]

Catalog Number: 3340 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). Th., 1-5, and weekly film screenings F., 1-3.

In this course, students start from a 1-3 minute soundtrack. Some students with an interest and



ability in music or sound design may generate the track themselves, but students are encouraged to make links with the rich and diverse music scene in the Cambridge and Boston area, including the huge number of Harvard-based groups. Inspired by the soundtrack, students make films which may be abstract or figurative, narrative or free-form, using any animation technique or combination of techniques.

Note: Expected to be given in 2010–11.

Prerequisite: At least one VES half-course in animation or a related subject (or with permission from the instructor).

***Visual and Environmental Studies 158r. Living Documentary: Studio Course**

Catalog Number: 9385 Enrollment: Limited to 10.

Alfred F. Guzzetti and Mary M. Steedly

Half course (fall term). M., W., 1–4.

Students produce a substantial work of ethnographically informed nonfiction using video.

Principal recording should take place prior to enrolling in the course.

Note: An ideal follow-up course to VES 58r, but students may enroll independently.

***Visual and Environmental Studies 160. Modernization in the Visual United States Environment, 1890-2035**

Catalog Number: 6668 Enrollment: Limited to 20.

John R. Stilgoe

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Modernization of the US visual environment as directed by a nobility creating new images and perceptions of such themes as wilderness, flight, privacy, clothing, photography, feminism, status symbolism, and futurist manipulation as illustrated in print-media and other advertising enterprise.

Note: Offered jointly with the Graduate School of Design as 4303.

Prerequisite: VES 107 or permission of the instructor.

[*Visual and Environmental Studies 161r. Media Anthropology: Technology, Technique, Techné: Studio Course]

Catalog Number: 5710 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (fall term). M., 10-12.

Students receive hands-on training, in the Lab and in the field, with digital video and audio production and post-production technology. Emphasis is on both mastering the technology and developing a technique consonant with one's relationship to one's subject.

Note: Expected to be given in 2010–11.

Prerequisite: VES 58r or 158r.

[*Visual and Environmental Studies 163. Soft and Hard: Studio Jean-Luc Godard: Studio Course]

Catalog Number: 9696 Enrollment: Limited to 10.

Amie Siegel

Half course (fall term). W., 10-12 and W., 1-4. EXAM GROUP: 3, 4, 6, 7, 8

Students explore Godard's films while producing work as studio artists. We will look at genre,



pictorial flatness vs. depth, text and image, camera movement, still images, color, asynchrony, and Brechtian tropes in Godard's cinema of reversed time, perverse interviews, critical politics, and gender. Participants try out processes of inspiration, derivation, and notation in relation to Godard's *oeuvre* to enrich their cinematic vocabulary and investigate filmic practices within their own work (video, film, drawing, sculpture, installation, performance).

Note: Expected to be given in 2010–11.

Prerequisite: At least one VES studio half-course or permission of the instructor.

***Visual and Environmental Studies 165. Moving Image—Installation, Production and Spectacle: Studio Course**

Catalog Number: 8258 Enrollment: Limited to 10.

Amie Siegel

Half course (spring term). M., 1-3, W., 1-4.

Where are the boundaries between art gallery and film set, theatrical stage or production studio? All have been appropriated and/or re-staged in installations by contemporary artists. Participants in this studio course, through the creation of their own works, will explore various strategies using cinema, video, and photography as material or metaphor in art. Students will work with materials of 16mm film, slides, film projectors and video projection. We will consider various approaches to video installation, sound and cinematic spectacle with regard to space, staging, production and demands on viewer experience as well as gestures of genre and excess.

Prerequisite: At least one VES studio half-course, preferably in film, video or photography, or permission of the instructor.

***Visual and Environmental Studies 166. North American Seacoasts and Landscapes, Discovery to Present: Seminar**

Catalog Number: 5873

John R. Stilgoe

Half course (fall term). Tu., 1–3.

Selected topics in the history of the North American coastal zone, including the seashore as wilderness, as industrial site, as area of recreation, and as artistic subject; the shape of coastal landscape for conflicting uses over time; and the perception of the seashore as marginal zone in literature, photography, film, television, and advertising.

Note: Offered jointly with the Graduate School of Design as 4304.

Prerequisite: VES 107 and VES 160, or permission of the instructor.

***Visual and Environmental Studies 167. Adventure and Fantasy Simulation, 1871-2036: Seminar**

Catalog Number: 4902

John R. Stilgoe

Half course (spring term). Tu., 1–3.

Visual constituents of high adventure since the late Victorian era, emphasizing wandering woods, rogues, tomboys, women adventurers, faerie antecedents, halflings, crypto-cartography, Third-Path turning, martial arts, and post-1937 fantasy writing as integrated into contemporary photography, advertising, video, computer-generated simulation, and designed life forms.

Note: Offered jointly with the Graduate School of Design as 4305.

Prerequisite: VES 107, VES 160, and VES 166, or permission of the instructor.



[Visual and Environmental Studies 170 (formerly 174c). Film and Photography, Ontology and Art]

Catalog Number: 8352

D. N. Rodowick

Half course (spring term). Tu., 1–3.

A critical survey of the principal authors, concepts, and films in the classical period of film theory. We will study the aesthetic debates of the period in their historical context, whose central questions include: Is film an art? If so, what specific and autonomous means of expression define it as an aesthetic medium? What defines the social force and function of cinema as a mass art?

Note: Expected to be given in 2010–11. Weekly readings and discussion will examine major film movements—for example, French Impressionism and Surrealism—as well as the work of key figures such as Hugo Münsterberg, Rudolf Arnheim, Jean Epstein, Germaine Dulac, Béla Balázs, Erwin Panofsky, Siegfried Kracauer, Walter Benjamin, André Bazin and Stanley Cavell.

Prerequisite: Literature and Arts B-11 or permission of the instructor.

[Visual and Environmental Studies 172a (formerly 186c). Film and Photography, Image and Narration]

Catalog Number: 4152

D. N. Rodowick

Half course (spring term). M., 3–5.

A survey of debates on photography and film carried out in the contexts of semiotics, structuralism, and narratology from the end of World War II until the early 1980s. In what ways can the image be considered a sign and how do images come to have meaning? Readings will include work by Roland Barthes, Christian Metz, Jean Mitry, Noël Burch, Raymond Bellour, Umberto Eco, Pier Paolo Pasolini, David Bordwell, and Gilles Deleuze.

Note: Expected to be given in 2010–11.

Prerequisite: Literature and Arts B-11 or permission of the instructor.

[Visual and Environmental Studies 172b (formerly 173t). Contemporary Film Theory]

Catalog Number: 9562

D. N. Rodowick

Half course (spring term). Hours to be arranged.

A critical and historical survey of the major questions, concepts, and trends in film theory since 1968. Weekly readings and discussion will examine how the study of film and spectatorship have been influenced by semiotics, psychoanalysis, Marxism, postmodernism, feminism, and gay and lesbian criticism, as well as multiculturalism.

Note: Expected to be given in 2010–11.

Prerequisite: Literature and Arts B-11 or permission of the instructor.

[Visual and Environmental Studies 175a. Framing the I: Autobiography and Film]

Catalog Number: 3084

Dominique Bluher

Half course (spring term). Hours to be arranged.

Cinema offers many ways of telling one's own story which range from fictional features to essay films and works that use found footage. This seminar examines film history's various modes of autobiographical discourse in the context of philosophical and psychoanalytic considerations of



the self as well as of experiments in literary and pictorial self-representation.

Note: Expected to be given in 2010–11.

[Visual and Environmental Studies 176n. Facing Reality: A History of Documentary Cinema]

Catalog Number: 4394

Instructor to be determined

Half course (spring term). Hours to be arranged.

The history of cinema as representation and interpretation of “reality,” focusing on masterworks of nonfiction film and video from a variety of periods and geographic locales. Emphasis on the ways in which nonfiction films can subvert viewers’ conventional expectations and their personal security. Forms to be discussed include the city symphony, ethnographic documentary, propaganda, the nature film, direct cinema, cinéma vérité, the compilation film and personal documentary.

Note: Expected to be given in 2010–11.

[Visual and Environmental Studies 177e. Critical Cinema: A History of Experimental and Avant-Garde Cinema]

Catalog Number: 0898

Instructor to be determined

Half course (spring term). Hours to be arranged.

A history of alternatives to commercial movies, focusing on surrealist and Dadaist film, visual music, psychodrama, direct cinema, the film society movement, personal cinema, the New American Cinema, structuralism, Queer cinema, feminist cinema, minor cinema, recycled cinema and devotional cinema. While conventional entertainment films use the novel, the short story and the stage drama as their primary instigations, experimental and avant-garde films are analogous to music, poetry, painting, sculpture and collage.

Note: Expected to be given in 2010–11.

***Visual and Environmental Studies 178. Documents of Childhood - (New Course)**

Catalog Number: 48768 Enrollment: Limited to 18.

David Cooke MacDougall

Half course (spring term). W., 1-5 . EXAM GROUP: 6, 7, 8, 9

How well do nonfiction films represent children and childhood? What factors have shaped our views of children? The course will explore these questions from a variety of perspectives, including those of filmmakers, social scientists, television journalists, parents, and children themselves.

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

Catalog Number: 2874

Giuliana Bruno

Half course (fall term). Hours to be arranged.

Cinema has changed the way we see and think. Modern visual culture develops with the art of film. Course considers this major 20th century shift in visual perception. We look at “motion” pictures as a product of modernity, born of scientific motion studies, aesthetic and cultural mobility. We relate film to the moving experience of urban space. Key writings and films engage



sites of modern movement: home(land) and city, voyage and transport, gender and body.

Note: Expected to be given in 2011–12. Offered jointly with the Graduate School of Design as 4131.

Visual and Environmental Studies 181. Frames of Mind: Film Theory

Catalog Number: 0648

Giuliana Bruno

Half course (spring term). Th., 11:30-1, and a weekly film screening W., 7-9 pm, and weekly sections to be arranged. EXAM GROUP: 13, 14

Introduction to the language of film theory aimed at developing analytic skills to interpret films. Historical survey of classical and contemporary theory beginning with turn-of-the-century scientific motion studies to emotion studies of Hugo Münsterberg, to the virtual movements of our new millennium. Considers Eisenstein's theory of montage, cultural history of the cinematic apparatus, and the body of physical existence from Kracauer to gender studies. Different theoretical positions open our understanding of films and guide us in reading them.

Note: Offered jointly with the Graduate School of Design as 4132.

[*Visual and Environmental Studies 182. Film Architectures: Seminar]

Catalog Number: 6864 Enrollment: Limited to 12.

Giuliana Bruno

Half course (fall term). W., 2-4, and a weekly film screening Tu., 7-9pm.

What is our experience of architecture in cinema? Considering the relation of these two arts of space, we look at how film and architecture are linked in history on the "screen" of the modern age. Highlighting the interaction of modernity, urban culture and cinema, we explore the architecture of film in relation to the architectures of transit and the culture of travel. Emphasis on readings and case study analysis to pursue research projects and conduct presentations.

Note: Expected to be given in 2011–12. Offered jointly with the Graduate School of Design as 4351.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts

Catalog Number: 5736

Giuliana Bruno and Svetlana Boym

Half course (fall term). Th., 11:30-1, and a weekly film screening W., 7-9 pm, and weekly sections to be arranged. EXAM GROUP: 13, 14

How do visual representation and narrative figuration contribute to construct urban identity? Explores the urban imagination in different artforms: architecture, cinema, literature, photography, and painting. Topics to be mapped out include: cities and modernity, metrophilia and metrophobia, the museum and cultural archaeology, the ruin and construction site, interior space and public sphere, technology and virtual cities. We will focus on the European city, as we travel through Paris, Berlin, St. Petersburg, Moscow, Naples and Rome.

Note: Cannot be taken for credit if Literature 184 has been taken. Cannot be taken concurrently with Literature 184. Also offered jointly with the Graduate School of Design as 4353. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.



[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema]

Catalog Number: 1196

Eric Rentschler

Half course (fall term). Tu., Th., 10, and , with weekly film screenings W., 4-6. EXAM GROUP: 12

West German filmmakers gained world-wide acclaim in the 1970s for interventions marked by subversive narrative strategies and unique formal approaches. We will examine representative features by Fassbinder, Herzog, Kluge, Schlöndorf, von Trotta, and Wenders, probing these films' aesthetic shapes as well as their socio-political implications. We will also frame our discussion by looking at important films that both precede and come after the so-called New German Cinema.

Note: Expected to be given in 2010–11. No knowledge of German required. Readings, films, and discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Foreign Cultures or Literature and Arts B, but not both.

[Visual and Environmental Studies 189. Exploring Culture Through Film]

Catalog Number: 9619

Lucien G. Castaing-Taylor

Half course (spring term). Tu., 6:30-9:30 pm, and weekly film screenings Tu., 4-6 pm.

Introduction to the history and theory of documentary and ethnographic film. A wide variety of works from 1895 to today will be screened and discussed. Different cinematic styles which have been used to depict human existence and the relationships between individuals and the wider cultural and political contexts of their lives will be compared.

Note: Expected to be given in 2010–11. First meeting for this course will take place at 4pm on Tuesday, Feb. 5. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B.

***Visual and Environmental Studies 189m. Reading Ethnographic Film: The Construction of Visual Knowledge - (New Course)**

Catalog Number: 33661 Enrollment: Limited to 18.

David Cooke MacDougall

Half course (spring term). Tu., 1-5 . EXAM GROUP: 15, 16, 17, 18

This course will examine the concept of 'visual knowledge' as it was regarded in 19th century photography and as it has been construed since in ethnographic and documentary cinema. How does the knowledge conveyed by films differ from that in written texts? What are the implications of this for ethnographic filmmaking and film viewing?

[Visual and Environmental Studies 190f. Contemporary French Cinema]

Catalog Number: 7722

Dominique Bluher

Half course (fall term). Hours to be arranged.

A new generation of French filmmakers has emerged in recent years, including Assayas, Breillat, Denis, and Dumont, among others. They have been instrumental in creating innovative approaches to cinematic narrative, form and style worldwide. Course readings will include interviews with filmmakers, analyses of their films as well as contributions by Deleuze, Foucault, Jameson and Williams which will provide theoretical frameworks for considerations of



modernity and postmodernity, gender and sexuality, violence, and ethnicity.

Note: Expected to be given in 2010–11. No knowledge of French required; readings, films and discussions in English. No background in film studies necessary.

[*Visual and Environmental Studies 190n. French New Wave Cinema]

Catalog Number: 9358 Enrollment: Limited to 15.

Instructor to be determined

Half course (spring term). Th., 1–3.

This course is meant to help situate French New Wave cinema historically, both generally within the contexts of French social and political attitudes, and more specifically, within the realms of film history and theory. Structuring our analysis around the question, "What was so new about the French New Wave?" this course explores the ways in which the movement both broke from established filmic conventions, and importantly, participated within them.

Note: Expected to be given in 2010–11.

Prerequisite: No knowledge of French required; readings, films and discussions in English.

[Visual and Environmental Studies 194w. World Cinema Today]

Catalog Number: 4865

Dominique Bluher

Half course (spring term). Hours to be arranged.

An in-depth study of works by some of contemporary world cinema's most significant filmmakers in pertinent artistic, historical, and theoretical contexts. Provides close consideration of representative features by Wong Kar-Wai, Hayao Miyazaki, Abbas Kiarostami, Agnès Varda, David Cronenberg, Hou Hsiao-hsien, Jim Jarmusch, and others.

Note: Expected to be given in 2010–11. No background in film studies necessary.

[Visual and Environmental Studies 196. Women's Film and Video in France: Agnès Varda, Chantal Akerman and Claire Denis]

Catalog Number: 9812

Dominique Bluher

Half course (fall term). Hours to be arranged.

Agnès Varda, Chantal Akerman and Claire Denis are undoubtedly three of the most significant contemporary film directors working in France today. Having started making films in the 1960s, 1970s and 1980s, respectively, this class examines some of their landmark works in historical, cinematic and theoretical contexts.

Note: Expected to be given in 2010–11. No knowledge of French required. Readings, films and discussions in English. Previous coursework in Film Studies or related fields helpful, but not required.

***Visual and Environmental Studies 198. American Film Noir - (New Course)**

Catalog Number: 44686 Enrollment: Limited to 18.

Haden R. Guest

Half course (spring term). W., 10-11:30 and a weekly film screening M., 1-3.

This seminar offers a critical survey of American film noir, the cycle of dark, fatalistic crime films that flourished in Hollywood during the period between 1940 and 1960 and remains deeply influential today. Focusing on the close study of key films, the seminar will explore the dominant



iconography, tropes and patterns within them in the specific socio-cultural contexts of post-war America and deeper changes at work within the Hollywood studio system and American popular culture.

Related Courses of Interest for VES Concentrators

[**Aesthetic and Interpretive Understanding 26 \(formerly Studies of Women, Gender, and Sexuality 1133\). Gender and Performance**](#)

[**Chinese Literature 130. Screening Modern China: Chinese Film and Culture**](#)
[**Culture and Belief 30. Photography and Society**](#)

[**Dramatic Arts 135 \(formerly Dramatic Arts 30\). Design for the Theatre: History and Practice**](#)

[***Dramatic Arts 136 \(formerly *Dramatic Arts 31\). Designing for the Stage**](#)

[**Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich**](#)

[**French 167. Parisian Cityscapes**](#)

[French 170. The City]

[**French 184. Cinema and the *auteur* - \(New Course\)**](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

[*History of Art and Architecture 153p. Le Corbusier and the Invention of Modernism]

[*History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists]

[*History of Art and Architecture 196. Contemporary Art in Africa]

[*History of Art and Architecture 277s. Circa 1970]

[History of Art and Architecture 279k. Seeing Spectatorship]

[*History of Science 152. Filming Science]

[*Indian Studies 123. Bollywood and Beyond: Commercial Cinema, Language and Culture in South Asia.]

[**Italian 175. Picturing Place: Landscape, Literature, and Cinema from the Eighteenth to the Twentieth Century - \(New Course\)**](#)

[**Japanese Literature 161. Introduction to Japanese Animation - \(New Course\)**](#)

[**Scandinavian 115. Nordic Cinema - \(New Course\)**](#)

[**Slavic 147. Soviet Film After Stalin - \(New Course\)**](#)

[Spanish 172. Barcelona and Modernity]

Primarily for Graduates

[*Visual and Environmental Studies 220. The Animal Moment: The Visual and Verbal Animal (Graduate Seminar in General Education)]

Catalog Number: 3491

Marjorie Garber

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

What can visual culture and literary study contribute to interdisciplinary animal studies, which has become a central preoccupation for numerous and diverse fields? Through analysis of and encounter with visual art, film, literature, critical theory, and "real" animals, this course will cover topics like: vegetarianism, animal experimentation, "wild" humans, suffering, pathos, pets,



zoos, talking animals, bio-art, animal law, projection, identification, and displacement. The seminar will design and develop a General Education course on these themes for undergraduates. *Note:* Expected to be given in 2010–11.

***Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History**

Catalog Number: 1741

Eric Rentschler

Half course (spring term). M., 1-3, and a weekly film screening F., 1-4. EXAM GROUP: 6, 7

Considers film history and the relations between film and history as well as pertinent theoretical approaches to historiography. Critical readings of exemplary film historical studies and careful scrutiny of films both in and as history.

Note: Required of all graduate students intending to declare a secondary field in Film and Visual Studies.

***Visual and Environmental Studies 271. Proseminar in Film and Visual Studies: Theory**

Catalog Number: 0159

Giuliana Bruno

Half course (fall term). W., 2–4.

An advanced survey of current debates on the place of the moving image in contemporary visual culture and art practice with respect to concepts of space, time, movement, and affect.

Note: Required of all graduate students intending to declare a secondary field in Film and Visual Studies.

***Visual and Environmental Studies 285x (formerly *Visual and Environmental Studies 185x). Visual Fabrics: Film, Fashion and Material Culture: Seminar**

Catalog Number: 1575 Enrollment: Limited to 12. Open to undergraduates with instructor's permission.

Giuliana Bruno

Half course (spring term). W., 2-4, and a weekly film screening Tu., 7-9 pm.

Explores the common language of film and fashion, both powerful image makers and objects of material culture. Film and fashion share a role with architecture and contemporary art creating narratives and atmospheres, conveying identity and shaping visual expression. We explore their common language, particularly the current intersection with contemporary visual arts, treating these elements as part of our cultural “fabric” through a text(ur)al analysis of Wong Kar-wai's *In the Mood for Love*.

Note: Offered jointly with the Graduate School of Design as 4354.

Prerequisite: A course in film studies or the equivalent course in cultural studies.

[*Visual and Environmental Studies 288. Dziga Vertov and His Time: Left-Wing Art, Avant-Garde Filmmaking, Radical Politics]

Catalog Number: 1816

Instructor to be determined

Half course (spring term). Tu., 3–5; M., 7–9 p.m.

The class explores the work of this seminal Soviet documentary filmmaker, his theory, its international impact, its cultural and political implications, various ways of how Vertov's films and theories are viewed and interpreted nowadays.



Note: Expected to be given in 2010–11. All readings in English. Open to qualified undergraduates with the permission of the instructor.

[*Visual and Environmental Studies 292r. Philosophy and Film: Seminar]

Catalog Number: 5659

D. N. Rodowick

Half course (fall term). Tu., 1–3.

Explores relationship of film and film theory to problems in contemporary philosophy. Topics and themes change from year to year; students should review the course description in the term when the seminar is next offered.

Note: Expected to be given in 2010–11.

Graduate Courses of Reading and Research

***Visual and Environmental Studies 301. Film Studies Workshop**

Catalog Number: 2867

Eric Rentschler 2325

***Visual and Environmental Studies 310. Reading and Research**

Catalog Number: 5851

Members of the Department

Note: Conducted through regular conferences and assigned writing. Limited to students reading specifically on topics not covered in regular courses. Open only by petition to the Department; petitions should be presented during the term preceding enrollment, and must be signed by the instructor with whom the reading is to be done. All applicants for admission should first confer with the Director of Graduate Studies.

***Visual and Environmental Studies 320. Directed Study**

Catalog Number: 0441

Members of the Department

Related Courses of Interest for Film and Visual Studies Graduate Program

[*Anthropology 2635. Image/Media/Publics: Seminar](#)

[*Anthropology 2836r. Sensory Ethnography II: Studio Course](#)

[Chinese Literature 225. Visual Evidence]

[*Comparative Literature 257. Trauma, Memory, and Creativity]

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

[German 244. Readings in German Film Theory]

[Portuguese 151 (formerly Portuguese 251). Culture in Turmoil: Brazil in the 50s, 60s and 70s]

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930]



Women, Gender, and Sexuality

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Degrees in Studies of Women, Gender, and Sexuality

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality (*Chair*)

Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature

Peter J. Burgard, Professor of German (*on leave spring term*)

Nancy F. Cott, Jonathan Trumbull Professor of American History

Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Ewa Lajer-Burchard, William Dorr Boardman Professor of Fine Arts (*on leave 2009-10*)

Caroline Light, Lecturer on Studies of Women, Gender, and Sexuality

Marcyliena Morgan, Professor of African and African American Studies

Afsaneh Najmabadi, Francis Lee Higginson Professor of History and Professor of the Studies of Women, Gender, and Sexuality (*on leave 2009-10*)

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave 2009-10*)

Sindhumi Revuluri, Assistant Professor of Music (*on leave 2009-10*)

Amie Siegel, Assistant Professor of Visual and Environmental Studies

Judith Surkis, Associate Professor of History and of History and Literature

Kimberly Theidon, Associate Professor of Anthropology

Laurel Thatcher Ulrich, 300th Anniversary University Professor

Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies (*on leave 2009-10*)

Adelheid Voskuhl, Assistant Professor of the History of Science

Primarily for Undergraduates

***Studies of Women, Gender, and Sexuality 91r. Supervised Reading and Research**

Catalog Number: 6225

Director of Studies and staff

Half course (fall term; repeated spring term). Hours to be arranged.

The study of selected topics in studies of women, gender, and sexuality.

***Studies of Women, Gender, and Sexuality 96-ABL (formerly *Studies of Women, Gender, and Sexuality 1215). Off the Page and Into the World: Feminist Praxis in the Community**

Catalog Number: 3232 Enrollment: Limited to 12.

Caroline Light and Staff

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8



This course will involve students in experiential learning in community agencies that serve women, girls, and/or gay, lesbian, bisexual and transgender communities. The course will require students to apply feminist theory to the challenges of organized social change. Internship placements of 8 hours a week in a community agency or non-profit organization must be approved by the instructors, in projects that advance students' knowledge of the intersection of identities, feminist ideologies, and feminist praxis.

Note: Interested students are strongly encouraged to attend an information session in December detailing the requirements for the course (contact the WGS office for meeting details). Student enrollment in this course is contingent upon placement at one of the approved internship sites. The placement process will begin during the first week of the course.

***Studies of Women, Gender, and Sexuality 97. Tutorial-Sophomore Year**

Catalog Number: 7217 Enrollment: Limited to concentrators.

Robin M. Bernstein

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

An introduction to foundational concepts and analytical tools in the study of gender and sexuality. Focus on the ways in which diverse people have understood gender, sexuality, race, and nationhood as categories of knowledge. Case studies of activists and theorists forging complex alliances across unstable differences. Readings include Gloria Anzaldúa, Adrienne Rich, Simone de Beauvoir, Chandra Talpade Mohanty, Donna Haraway, Patricia Hill Collins, Inderpal Grewal, Judith Butler, Monique Wittig, Alison Bechdel, and Michel Foucault.

Note: Required of, and limited to, Women, Gender, and Sexuality concentrators in their first year in the concentration.

***Studies of Women, Gender, and Sexuality 98r. Tutorial — Junior Year**

Catalog Number: 8094

Director of Studies and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken by concentrators for one term in the second term of the junior year. Concentrators planning to study abroad in the second term should take WGS 98r in the first term of the junior year.

***Studies of Women, Gender, and Sexuality 99a. Tutorial — Senior Year**

Catalog Number: 6763

Linda Schlossberg

Half course (fall term). Hours to be arranged.

Note: Both WGS 99a and 99b are required of all concentrators in their senior year.

***Studies of Women, Gender, and Sexuality 99b. Tutorial — Senior Year**

Catalog Number: 5847

Linda Schlossberg

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Both WGS 99a and 99b are required of all concentrators in their senior year.

For Undergraduates and Graduates



Studies of Women, Gender, and Sexuality 1122. The Romance: From Jane Austen to Chick Lit

Catalog Number: 8181

Linda Schlossberg

Half course (spring term). M., W., at 12, and a one-hour section to be arranged. EXAM GROUP: 5

A critical investigation of the genre's enduring popularity, beginning with Austen's satirical *Northanger Abbey* and three novels credited with providing narrative templates for contemporary romances (*Pride and Prejudice*, *Jane Eyre*, *Wuthering Heights*). We will then read twentieth-century revisions of these works (*Rebecca*, *The Wide Sargasso Sea*, *Bridget Jones's Diary*). Topics: the female writer and reader/consumer of literature; moral warnings against romance, "sensational," and titillation; the commodification of desire; Harlequins; the relationship between high culture and low.

Note: This course, when taken for a letter grade, meets the General Education requirement for Culture and Belief or the Core area requirement for Literature and Arts A.

Studies of Women, Gender, and Sexuality 1125. Gender and Health

Catalog Number: 4563

Mary Ruggie (Kennedy School)

Half course (spring term). Tu., Th., at 1 and a one hour section to be arranged. EXAM GROUP: 15

Based on theoretical debates between feminism and science and different understandings of health, illness, and healing, we explore the role of women, the medical profession, and various social institutions in constructing knowledge about gender and health. Among the issues we discuss are health behaviors, reproductive health, STDs, mental health, cancer, and aging. Throughout, we identify differences among women and men of different class, race, and ethnic groups.

Studies of Women, Gender, and Sexuality 1142. Sex and the Bible - (New Course)

Catalog Number: 93884

Cameron Elliot Partridge

Half course (fall term). Tu., Th., at 11 and a one hour section to be arranged. EXAM GROUP: 13

Two questions that animate U.S. religious debate in the twenty-first century are how to understand human sexuality and what the Bible says about it. This course explores these questions in a critical historical context. By focusing on particular texts (e.g. Genesis, the New Testament, early Christian writings) and themes (e.g. women, asceticism, marriage, Incarnation) we will observe how conceptions of embodiment, sex/gender/sexuality, and the human, have shifted and continue to change within Christian thought.

Studies of Women, Gender, and Sexuality 1154. I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s

Catalog Number: 6855 Enrollment: Limited to 30.

Alice Jardine

Half course (spring term). Tu., Th., at 12, and a one hour section to be arranged. EXAM GROUP: 14



A diagnosis and analysis of this formative decade for the US babyboomer. Taught from a cultural studies perspective, the course focuses on gender politics in print media, film, television, and rock of the early cold war era. Topics include: the bomb and TV, the Rosenberg trial, early civil rights movement, beat generation, Hollywood dreams of true love, Elvis Presley, Marilyn Monroe, Lucille Ball, Jack Kerouac, Joe McCarthy, Rosa Parks, and others.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts C.

Studies of Women, Gender, and Sexuality 1168. Education, Race, and Gender in the United States - (New Course)

Catalog Number: 72986

Chiwen Bao

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Education in the United States often appears as democratizing and a means of upward mobility, an idea complicated by issues of race, gender, class, and sexuality, all of which shape students' and teachers' experiences. This class examines theoretical and empirical studies on various schooling spaces and practices and explores how intersecting constructs of identity — such as girl, boy, black, Latino/a, Asian, white — become meaningful in schools and bear implications for individuals and society.

Note: This course, when taken for a letter grade, meets the Core area requirement for Social Analysis.

Studies of Women, Gender, and Sexuality 1200fh. Feminism in Historical Contexts

Catalog Number: 3042 Enrollment: Limited to 35.

Caroline Light

Half course (fall term). Tu., 1-3 and a one-hour section to be arranged. EXAM GROUP: 15, 16

Like any ideology, feminism has a history, one that is neither linear nor steadily progressive, and an uneven past full of paradoxes, contestation, and ambivalence. This course provides a comprehensive introduction to feminist theoretical conceptions of the social, political, economic, and the human. We will explore texts from different cultures and interrogate the rise of gender-based discourses and social movements in the context of the broader considerations of modernity, democracy, and liberal humanism.

[Studies of Women, Gender, and Sexuality 1200qh. Transgender History]

Catalog Number: 5244

Instructor to be determined

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2010–11.

[Studies of Women, Gender, and Sexuality 1210ft. Feminist Theory]

Catalog Number: 5590

Instructor to be determined

Half course (spring term). Hours to be arranged.

The course explores feminism's long and contentious relationship with psychoanalysis. From its inception, women were intensely involved in the psychoanalytic enterprise as- patients, analysts, and critics. Sexuality is at the core of psychoanalysis, and as a result the status of men and



women, maleness and femaleness, masculinity and femininity, have been subject to continual debate. Through historical exploration of these issues we ask if, how, and why psychoanalysis matters to feminist theory and practice today.

Note: Expected to be given in 2010–11.

***Studies of Women, Gender, and Sexuality 1210qt (formerly Studies of Women, Gender, and Sexuality 1003). Queer Theory**

Catalog Number: 9232 Enrollment: Limited to 15.

Bradley S. Epps

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the possibilities and pitfalls of a specifically "queer" understanding of gender, sexuality, culture, history, and politics. Special attention will be given to the international sweep and limits of queerness as conceptual category and identity (and anti-identity) formation in relation to questions of race, ethnicity, nationality, and class as well as artistic production and activism. Works by Butler, Sedgwick, Foucault, Rubin, Halperin, Warner, Wittig, Bersani, Cohen, Lorde, Halberstam, Califia, Stryker, Quiroga, Najmabadi, and many others.

***Studies of Women, Gender, and Sexuality 1232. Postcolonial Women's Writing**

Catalog Number: 8406 Enrollment: Limited to 15.

Katherine Stanton

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Rejecting what Anne McClintock calls "bogus universals" like "the postcolonial woman," this course will examine how postcolonial women's writing represents and resists local and imperial power, developing a more complex understanding of agency. But our readings of literary and critical texts will also ask us to scrutinize the very suitability of the term "postcolonial." Our authors will include Michelle Cliff, Tsitsi Dangarembga, Jessica Hagedorn, and Arundhati Roy, among others.

[Studies of Women, Gender, and Sexuality 1233. Gender, Sexual Violence, and Empire]

Catalog Number: 4121 Enrollment: Limited to 15.

Katherine Stanton

Half course (fall term). Hours to be arranged.

Making the case for what Deepika Bahri identifies as the "constitutive" role of gender in colonial formations, this course will examine the feminization of colonized peoples and crises in European masculinity, the myth of the black male sexual threat, and the notion of European women's moral authority. Yet we will also consider the importance of gender to national projects and postcolonial theorizations. We will read cultural history, literary theory, and literary works in this course.

Note: Expected to be given in 2010–11.

[Studies of Women, Gender, and Sexuality 1238. Consuming Passions]

Catalog Number: 5605 Enrollment: Limited to 15.

Caroline Light

Half course (fall term). W., 1-3, and a weekly section to be arranged.

In what ways do sexuality and desire frame our contemporary experiences of consumption, and how do unequal distributions of global power influence the relationship between producers of



globally marketed goods and services and those who consume them? Topics include sex tourism, migrant domestic labor, international adoption and surrogacy, and the commercialization of same-sex desire.

Note: Expected to be given in 2010–11.

Studies of Women, Gender, and Sexuality 1240. Intersections of Identity in African American Communities: Theory and Practice

Catalog Number: 3484

Laurie A. Nsiah-Jefferson

Half course (fall term). Th., 4–6. EXAM GROUP: 18

To address the challenges facing communities of color, it is important to understand how race, gender, social class, nationality, and other identities intersect with each other, as well as with social structural forces and policies. We will examine intersectional theories and applications in public policy and research. The advantages of utilizing intersectional analysis to elucidate policy discourse on education, health and health care, welfare, and other key issues in African-American communities will be highlighted.

Studies of Women, Gender, and Sexuality 1254. Sex and the Brain - (New Course)

Catalog Number: 99089

Gillian Einstein

Half course (spring term). M., W., at 1 and a one hour section to be arranged. EXAM GROUP: 6

Critical exploration of the scientific literature underlying the idea that female/male, gay/straight, and transgendered behaviors are based on fundamental differences in brain physiology. Includes a close reading of original scientific papers, to analyze theoretical presuppositions and interpretation of experimental data. Goal is to understand the science underlying sex/gender and popular conceptions of sex. Topics include: making sex, hormone action, brain and sexual behaviors, sex and cognition, and sex and sexuality/gender identification.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science B.

***Studies of Women, Gender, and Sexuality 1300. Approaches to Research and Writing in WGS**

Catalog Number: 4429 Enrollment: Limited to 15.

Linda Ellison

Half course (fall term). M., 12-3. EXAM GROUP: 5, 6, 7

The objective of the course is to provide a feminist analysis of methods and methodologies as intellectual frameworks within the social sciences, sciences, and humanities. We will focus on how feminist scholars challenge dominant theories of knowledge, engage feminist epistemologies, and employ feminist methodologies in working on a research project over the course of the semester in each student's area of interest.

Note: Required of all full and primary concentrators. Strongly recommended for joint concentrators with WGS as the allied field.

[*Studies of Women, Gender, and Sexuality 1407. Harlots, Dandies, Bluestockings: Sexuality, Gender, and Feminism in the 18th and 19th Centuries]

Catalog Number: 0730 Enrollment: Limited to 15.

Linda Schlossberg



Half course (spring term). Hours to be arranged.

How did social forces in the 18th and 19th centuries shape (and contest) new theories of womanhood, sexuality, and political equality? Readings from a variety of literary and political sources, including "Fanny Hill: Memoirs of a Woman of Pleasure," "Moll Flanders," "The Picture of Dorian Gray," "Dr. Jekyll and Mr. Hyde," "A Vindication of the Rights of Women." Areas of inquiry: prostitution, the suffrage movement, motherhood, property rights, psychology, manliness, sexology, Victorian pornography.

Note: Expected to be given in 2010–11.

***Studies of Women, Gender, and Sexuality 1436 (formerly Studies of Women, Gender, and Sexuality 1136). Body Image**

Catalog Number: 1391 Enrollment: Limited to 15.

Linda Schlossberg

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

This seminar examines body image issues from a variety of historical, literary, and philosophical perspectives. Topics include the historical emergence of anorexia and other eating disorders, the influence of the popular media, feminist critiques of the diet industry, body image activism, and hunger as metaphor.

Note: Not open to students previously enrolled in WGS 1136.

***Studies of Women, Gender, and Sexuality 1451. Women's Lives, Women's Struggles in Africa - (New Course)**

Catalog Number: 46063 Enrollment: Limited to 15.

Sharon Alane Abramowitz

Half course (fall term). W., 3–5.

This seminar applies a social science perspective to the examination of women's lives and women's struggles across Africa. Using memoirs, narratives, and ethnographies as our primary materials, we will use a critical feminist gaze to examine frameworks of international development, humanitarianism, and the African state. We will address women's local experiences in political participation, urbanization, work and gender, familial roles, and health and illness; and consider controversial topics including genital excision, and conflict and displacement.

***Studies of Women, Gender, and Sexuality 1458. Global Bodies - (New Course)**

Catalog Number: 47567 Enrollment: Limited to 15.

Gillian Einstein

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Study of Female Genital Circumcision/Mutilation/Cutting (FGC) as an occasion to consider multi-methodological issues involved in understanding women's health/bodies. Special emphasis on the impact of different kinds of accounts on our understanding of women's bodies, including social, anthropological, and biomedical, from first-, second- and third-person perspectives. Topics include: FGC, bodies in context, dis(ease) in Diaspora, embodiment, physicality of the mental, and new directions for women's health.

***Studies of Women, Gender, and Sexuality 1462. Hollywood and Radical Political Movements of the 1960s - (New Course)**



Catalog Number: 21972 Enrollment: Limited to 15.

Michael Bronski

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

We examine Hollywood's and Independent cinema's response to the radical social movements of the 1960s, in particular, black power, women's liberation, and gay liberation movements. We look at a variety of primary source materials - films, movement literature, novels, and film reception literature- and use them to understand, historically and methodologically, the complex interactions between social change movements and popular culture. Films include "Alice Doesn't Live Here Anymore," "Boys in the Band," "Shaft" and others

Note: Film screenings to be held outside of class time.

Primarily for Graduates

***Studies of Women, Gender, and Sexuality 2000 (formerly Studies of Women, Gender, and Sexuality 1000gm). Introduction to WGS**

Catalog Number: 9620 Enrollment: Limited to 15.

Alice Jardine

Half course (fall term). Th., 12–2. EXAM GROUP: 14, 15

An overview of major questions raised by the interdisciplinary study of women, gender, and sexuality and the challenges thus raised to traditional divisions of knowledge. Our approach will be contemporary and our subjects will range across history, science, economics, literature, and film, moving through feminist, postcolonial, and queer theories, towards an examination of how such fields as public health, medicine, education, and law have been forever changed by gender theory since WW II.

Note: Will count as the Graduate Proseminar for the PhD secondary field requirement in WGS.

Graduate Courses of Reading and Research

***Studies of Women, Gender, and Sexuality 3000. Reading and Research - (New Course)**

Catalog Number: 17353

Alice Jardine and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Open only by petition. Applicants for admission should first confer with the Director of Graduate Studies.

Of Related Interest

Courses related to the studies of women, gender, and sexuality offered by other departments are listed below. Many of the courses may be taken for graduate credit. Students should also investigate offerings in other faculties in which they may cross-register, such as the Graduate School of Education, the Law School, the Medical School, and the Women's Studies program at the Divinity School. This list is for informational purposes only and courses are not pre-approved for WGS concentration credit. For courses offered by other departments that are approved for WGS concentration credit please contact the WGS main office.

Aesthetic and Interpretive Understanding 26 (formerly Studies of Women, Gender, and Sexuality 1133). Gender and Performance



[African and African American Studies 118. African American History from the Slave Trade to 1900](#)

[Culture and Belief 22. The Heroic and the Anti-Heroic in Classical Greek Civilization](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam]

[French 48b. Theater and Culture in Contemporary French Society](#)

[French 70b. Introduction to French Literature II: Politics of Aesthetics from 1800 to the present.](#)

[French 255. Metamorphoses of the Vampire]

[German 162. Gender Theory and Narrative Fiction]

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa]

[Historical Study A-86. Men and Women in Public and Private: the US in the 20th Century](#)

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences](#)

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America]

[*History 74d (formerly *History 1669). Gender in US History]

[*History 81f \(formerly History 1127\). Women's Voices in Medieval and Early Modern Europe](#)

[History 1340 (formerly History 1454). French Social Thought from Rousseau to Foucault and Beyond]

[*History 2967 (formerly *History 2912). What is History? Concepts, Practices, Critique: Seminar]

[History 2969 (formerly History 2920). Readings in Gender History: Seminar]

[History 2970. Gender History: Proseminar - \(New Course\)](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century]

[Japanese Literature 133 (formerly Japanese Literature 250r). Gender and Japanese Art]

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

[Moral Reasoning 22. Justice]

[Portuguese 44 \(formerly Portuguese 38\). Images of Brazil: Contemporary Brazilian Cinema](#)

[Visual and Environmental Studies 180. Film, Modernity and Visual Culture]

[Visual and Environmental Studies 181. Frames of Mind: Film Theory](#)

[*Visual and Environmental Studies 182. Film Architectures: Seminar]

[Visual and Environmental Studies 184. Imagining the City: Literature, Film, and the Arts](#)

[Visual and Environmental Studies 196. Women's Film and Video in France: Agnès Varda, Chantal Akerman and Claire Denis]

[*Visual and Environmental Studies 285x \(formerly *Visual and Environmental Studies 185x\). Visual Fabrics: Film, Fashion and Material Culture: Seminar](#)

