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Core-Curriculum

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on the Core Program

Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering, Dean of the Faculty of Arts and Sciences (*Chair*)

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 (*on leave fall term*)

Jeffrey Frieden, Stanfield Professor of International Peace

Thomas Forrest Kelly, Morton B. Knafel Professor of Music

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures

David Pilbeam, Henry Ford II Professor of Human Evolution (*ex officio*)

Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity

Laurel Thatcher Ulrich, 300th Anniversary University Professor (*on leave spring term*)

George M. Whitesides, Woodford L. and Ann A. Flowers University Professor

The Core Curriculum Program

The philosophy of the Core Curriculum rests on the conviction that every Harvard graduate should be broadly educated, as well as trained in a particular academic specialty or concentration. It assumes that students need some guidance in achieving this goal, and that the faculty has an obligation to direct them toward the knowledge, intellectual skills, and habits of thought that are the hallmarks of educated men and women.

But the Core differs from other programs of general education. It does not define intellectual breadth as the mastery of a set of Great Books, or the digestion of a specific quantum of information, or the surveying of current knowledge in certain fields. Rather, the Core seeks to introduce students to the major approaches to knowledge in areas that the faculty considers indispensable to undergraduate education. It aims to show what kinds of knowledge and what forms of inquiry exist in these areas, how different means of analysis are acquired, how they are used, and what their value is.

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 US 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.

With the exception of the specific courses listed at the end of this section, departmental courses, including language courses, may not be substituted for Foreign Cultures courses to meet this requirement. Consult the *Introduction to the Core Curriculum* for further details.

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. EXAM GROUP: 12

An exploration of the ideas, ethics, narratives, and religious movements that have shaped a complex civilization from the Indus Valley to Mahatma Gandhi. Readings in primary sources—Vedas and Upanishads, Buddhist and Jain texts, the Mahabharata and the Bhagavad Gita, Bhakti and Sufi poets, Sikh gurus and Muslim kings, and modern thinkers and reformers. Attention to the ways in which these continue to be of significance to the understanding of modern India.

Note: Expected to be given in 2009–10.

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

Catalog Number: 8550

Tom Conley

Half course (fall term). M., W., F., at 11; M., 7:30–9:30 pm, and a weekly section to be arranged. EXAM GROUP: 4

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: Expected to be given in 2008–09. Conducted in French. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts B, but not both.

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 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. Comprehensive syntheses of early-modern cultural debates through multi-disciplinary approach. Extensive use of visual material (Cassell, Leconte, Rossellini, Scola, Wajda). Emphasis on all four communication skills so that 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, and write correct French.

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 institutions, values, and traditions in humorous works of 19th- and 20th-century France. Emphasis on the individual's search for wisdom and happiness in a changing social context (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 34. Mesoamerican Civilizations

Catalog Number: 3196

David L. Carrasco (FAS, Divinity School)

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

This course highlights the distinctive features of the dynamic, still evolving cultural traditions of Mesoamerica, one of the oldest living civilizations in the world. Aztec and Maya religion, arts, cultural and imperial power and social identity through myth and ritual sacrifice are explored first. Cultural innovation and change in those traditions resulting from the Spanish conquest and colonial rule are then analyzed with some attention to the immigration of Mesoamerican ideas, peoples and practices into the US. This course makes extensive use of the ethnographic and archeological collections of the Peabody Museum in a "hands-on" way.

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

Catalog Number: 6357

Orlando Patterson

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

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 socio-economic 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, folkways, and music.

Foreign Cultures 48. The Cultural Revolution

Catalog Number: 6474

Roderick MacFarquhar

Half course (spring term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
 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 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 60. Individual, Community, and Nation in Vietnam

Catalog Number: 1976

Hue-Tam Ho Tai

Half course (fall term). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12
 Can a society modernize yet preserve its cultural identity? We will explore this issue with reference to Vietnam, where a Marxist-Leninist political system co-exists with a market economy. Modernization has been accompanied by a revival of tradition, religion, and rituals; urbanization by renewed stress on village solidarity. Gender roles are being transformed. Family relationships are being reshaped by increased mobility and new means of communications. Migration to the uplands is changing local cultures even as ethnic minorities are offered to global tourists as icons of authenticity. What does it mean to be Vietnamese under these circumstances?
Note: Expected to be omitted in 2008–09.

Foreign Cultures 63. China's Two Social Revolutions

Catalog Number: 1884

Martin K. Whyte

Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
 A general overview of the patterns of social life in China and how these have changed since the revolution in 1949. The socialist transformations led by Mao Zedong after 1949 and the market and other reforms led by Deng Xiaoping after Mao's death receive equal emphasis. Topics covered include political institutions, work organizations, village life, cities, religion, family life, population control, gender relations, inequality, and schooling.

Note: Expected to be omitted in 2008–09.

[Foreign Cultures 67. Popular Culture in Modern China]

Catalog Number: 8730



David Der-wei Wang

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

This course provides a comprehensive examination of modern Chinese popular culture in the People's Republic of China, Taiwan, Hong Kong, and Southeast Asia. From literature to film, from music to theatre, this course will probe popular culture as it has manifested itself, and trace its sociopolitical, aesthetic, and affective impact on modern Chinese.

Note: Expected to be given in 2008–09. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts C, but not both.

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

Catalog Number: 9028

Xiaofei Tian

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

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 BC), 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: Expected to be given in 2008–09. 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 10, and a weekly section to be arranged. EXAM GROUP: 3

Offers an introductory survey of the fundamental concepts of the Islamic faith and devotional practices of Muslim societies around the world. Focuses on developing an understanding of the diversity of Muslim religious worldviews and the manner in which they have been shaped by the political, social and cultural contexts in which Muslims live in various parts of the world, particularly in the modern period. Briefly considers the contemporary situation of Muslims as a religious and racial minority in Europe and the US.

Note: Expected to be given in 2008–09.

[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 dissident art of the 1960s to the culture of the Cold War, perestroika, and beyond. Works by Malevich, Eisenstein, Vertov, Mayakovsky,



Babel, Bulgakov, Mandel'shtam, Nabokov, Kundera, and Brodsky.

Note: Expected to be given in 2008–09. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts C, but not both.

Foreign Cultures 74. Cultures of Southern Europe

Catalog Number: 0603

Michael Herzfeld

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

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. Nazi Cinema: Fantasy Production in the Third Reich

Catalog Number: 3396

Eric Rentschler

Half course (fall term). T., Th., at 10; screenings, W., 4–6, and a weekly section to be arranged. EXAM GROUP: 12

More than 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 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*, *La Habanera*, *Jew Süss*, and *Kolberg*). Readings provide pertinent socio-historical backgrounds and important theoretical perspectives.

Note: Expected to be omitted in 2008–09. No knowledge of German required. For students under the Core requirement, counts as either Foreign Cultures or Literature and Arts B, but not both.

Foreign Cultures 79. Historical and Musical Paths on the Silk Road

Catalog Number: 5576

Mark C. Elliott and Richard K. Wolf

Half course (spring term). Tu., Th., 1–2:30, and two weekly sections to be arranged. EXAM GROUP: 15, 16

Globalization may seem quintessentially modern, but in fact it is nothing new. To demonstrate the deep interconnectedness of the historical cultures of Eurasia, this course takes students on a journey along the Silk Road, from ancient times to the present. We will use an integrated interdisciplinary approach to study the ebb and flow of people, ideas, goods, techniques, and artistic styles along the trade routes of Central, South, and East Asia, with a special focus on musical traditions. In addition to learning about particular histories and historic links among societies, we also consider the formation of critical theories of relatedness.



Note: Expected to be omitted in 2008–09. No knowledge of Asian languages or music is required. One weekly section is a music section and the other is a discussion section.

[Foreign Cultures 80. Korea at 2100]

Catalog Number: 8798

David McCann

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

This course seeks to help students develop an informal sense of the distinctive features of Korean culture, present and past. Part I examines Korean's contemporary place in the world, with a focus on the Korea Wave; Part II, the twentieth century, issues of modernity, the Japanese colonial occupation, Liberation, Division, and the Korean War, and rapid social political change; Part III, the past as case study. Final project consists of team reports on Korean culture and the interplay of the contemporary and the past.

Note: Expected to be given in 2008–09.

Foreign Cultures 81. The Culture of Everyday Life in China - (New Course)

Catalog Number: 8733

Peter K. Bol and Michael A. Szonyi

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

An inquiry into social and cultural life in China, past and present, through an exploration of the patterns of everyday life over the last thousand years in a single region. Uses writings from local women and men in the past, interviews with their descendants today, the ancestral halls and genealogies of multi-generational families, shrines and temples of local gods, and extensive photo documentation as sources for understanding how life was experienced by the inhabitants of a community, farmers and scholars alike, and how that community was related to the larger world.

Note: Expected to be omitted in 2008–09.

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

Catalog Number: 2619

William E. Granara

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

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 given in 2008–09. No knowledge of Arabic required.

Foreign Cultures 84. Tokyo

Catalog Number: 9691

Theodore C. Bestor

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



Tokyo has been one of the world's great metropolitan centers since the 17th century, both the urban hub of Japanese society and culture, and the intersection between Japanese domestic society and trends of global influence. This course examines trajectories of change in Tokyo's urban culture, lifestyles, social structure, and spatial environment across the city's history, using ethnography, history, literature, diaries, architecture, photography, art, cartography, animation, film, and the Internet to explore Tokyo as an urban culture in comparative perspectives drawn from anthropology, history, and other social sciences.

Note: Expected to be omitted in 2008–09.

[Foreign Cultures 85. Japan Pop: From Basho to Banana]

Catalog Number: 0401

Adam L. Kern

Half course (fall term). Tu., Th., at 2, and a weekly section to be arranged. EXAM GROUP: 16
 Surveys what is arguably the major alternative to American popular culture, from its relative isolation in the 17th-century to its massive globalization of the present day. Drawing upon literary studies, cultural studies and visual culture, students will engage in the close readings of texts in English translation in different genres and media: *anime*, comic poetry, contemporary performance art, film, haiku, J-pop, hip-hop, kabuki, *kibyoshi*, *manga*, novellas, novels, and puppet plays.

Note: Expected to be given in 2008–09. No knowledge of Japanese required.

Foreign Cultures 86. West African Cultures

Catalog Number: 1648

J. Lorand Matory

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

We will explore the history and cultures of West and West-Central Africa, taking seriously the ancient involvement of this region in international politics and commerce. Equally important is the cosmopolitan dialogue that has transformed African ethnic identities, gender relations, and religious devotion in the 20th and 21st centuries.

Note: Expected to be omitted in 2008–09.

Foreign Cultures 88. The African Experience: Between Tradition and Modernity

Catalog Number: 5925

Francis Abiola Irele

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

This course seeks to introduce students to aspects of cultural change in Africa as reflected in the dominant currents of contemporary African thought and literature, centered on a theme from which they derive coherence and significance: that of the tension between tradition and modernity. While concepts from sociology and anthropology will be employed to elucidate the theme, the emphasis of the course will be placed on the literary and intellectual texts that have shaped reflection on modern African experience. The lectures and discussions of the texts will be supplemented by documentary films and feature films by African directors.



Foreign Cultures 92. From the Prague Spring to the Velvet Revolution: Czech Culture under Communism - (New Course)

Catalog Number: 5237

Jonathan H. Bolton

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

Examines how the intense political pressures of invasion, occupation, and revolution shape a country's intellectual life and are shaped by it in turn, looking at Czechoslovakia's literature, drama, art, and music from the 1968 Prague Spring reforms, through the Soviet invasion and subsequent political crackdown, to the 1989 Velvet Revolution, a hallmark of the peaceful overthrow of Communism in Central Europe. We consider works by Milan Kundera, Bohumil Hrabal, and Vaclav Havel; films of Milos Forman, Jiri Menzel, and Petr Zelenka; music of the Plastic People; the dissident "anti-politics" of Charter 77; and legacies of the past in post-Communist Prague.

Note: Expected to be omitted in 2008–09.

Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in Andean South America - (New Course)

Catalog Number: 2073

Gary Urton

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

Explores the development of Pre-Columbian civilizations and the transformation of post-conquest societies in the central Andes region of South America – modern Ecuador, Peru, Bolivia and Chile. By examining major trends and events in Andean culture and politics – e.g., the emergence of the Inca empire, resistance and accommodation to Spanish imperialism, the construction of new national identities, and divergent experiences under 20th century nation-states – we explore questions concerning contemporary challenges facing the region's indigenous and peasant peoples. Readings in archaeology, ethnohistory, art criticism, political economy and 20th century literature and philosophy.

Foreign Cultures 94. Buddhism and Japanese Culture - (New Course)

Catalog Number: 3203

Ryuichi Abe

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

This course is designed to enable students to analyze a wide range of Japanese cultural creations—such as Noh Theater, Haiku poetry, art of tea, manga, and anime—by illustrating the influence of Buddhism both on their forms and at their depths. The first part of the course is a study of major Buddhist philosophy and its impact on Japanese literature. The second part observes Buddhist ritual practices and their significance for Japanese performing arts. The last part traces the development of Japanese Buddhist art, and considers the influence of Buddhism on diverse contemporary popular Japanese art media.

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: Traditions and Transformations](#)

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

[Historical Study A-16. Modern South Asian Global History](#)

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

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

The following course 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-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 courses may be taken to meet the Foreign Cultures 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.

[African and African American Studies 20. Introduction to African Languages and Cultures](#)

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

[Spanish 172. Barcelona and Modernity](#)

[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema]

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 central historical event or transformation in the deeper past. 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

Stephen P. Rosen and Michael J. Hiscox

Half course (spring term). M., W., F., at 10, and a 90-minute weekly section to be arranged.

EXAM GROUP: 3

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

Historical Study A-13. China: Traditions and Transformations

Catalog Number: 5243

Peter K. Bol and Henrietta Harrison

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: 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



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

From the emergence of a court-centered state 1500 years ago to a warrior-dominated society centuries later, Japan's premodern past fascinates people across the world. The people, institutions, and ideas behind these traditions will be the focus of the first half of the course. We then turn to Japan's modern era, which presents one of the more striking transformations in world history. We examine the invention of new traditions as one crucial aspect of the tumultuous changes from the mid-1880s through the present and explore how people in Japan have dealt with the dilemmas of modernity that challenge us all.

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

Historical Study A-16. Modern South Asian Global History

Catalog Number: 9058

Sugata Bose and Amartya Sen

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

This course provides the historical depth and the comparative context in which to understand contemporary South Asia through an historical inquiry into the making and multiple meanings of modernity. It explores the history, culture, and political economy of the subcontinent which provides a fascinating laboratory to study such themes as colonialism, nationalism, partition, the modern state, economic development, refashioning of religious identities, center-region problems and relations between Asia and the West. Significant use of primary written sources (in English) and multi-media presentations.

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

Historical Study A-21. Africa and Africans: The Making of a Continent in the Modern World

Catalog Number: 5568

Caroline M. Elkins

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

Understanding Africa as it exists today requires an understanding of the broader historical trends that have dominated the continent's past. This course will provide an historical context for understanding issues and problems as they exist in contemporary Africa. It will offer an integrated interpretation of sub-Saharan African history from the middle of the 19th century and the dawn of formal colonial rule through the period of independence until the present time. Particular emphasis will be given to the continent's major historical themes during this period. Selected case studies will be offered from throughout the continent to provide illustrative examples of the historical trends.

[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. EXAM GROUP: 4



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 2008–09.

[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 1500. Emphasis on setting the practice of medicine and 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 2008–09.

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

Catalog Number: 5423

Cemal Kafadar

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

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 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 omitted in 2008–09.

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel]

Catalog Number: 9323

Jay M. Harris

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

This course seeks to understand the transformation of the Jews from a relatively homogeneous group that was readily distinguished from its surrounding cultures, to their current state in which



they are neither homogeneous nor readily distinguished from other identifiable groups. The focus will be on the political, social, and economic shifts that led to major changes in Jewish political and cultural aspirations and achievements. Specifically, the course will examine processes of change in France, Germany, Russia, and the US.

Note: Expected to be given in 2008–09.

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

Catalog Number: 1263

Jeffrey Frieden

Half course (fall term). M., W., 2–3:30, and a 1.5 hour 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 1873–96 and 1929–39, and the postwar economic order.

Note: Expected to be given in 2008–09.

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa]

Catalog Number: 0352

Afsaneh Najmabadi

Half course (fall term). M., W., 1:30–3, and a weekly section to be arranged. EXAM GROUP: 6, 7

This course will focus on how concepts of woman and gender have defined meanings of religious and national communities in the Islamic Middle East and North Africa. It will survey changes in these concepts historically through reading a variety of sources—religious texts and commentaries, literary and political writings, books of advice, women’s writings, and films—and will look at how contemporary thinkers and activists ground themselves differently in this historical heritage to constitute contesting positions regarding gender and national politics today.

Note: Expected to be given in 2008–09.

Historical Study A-71. Constitutionalism

Catalog Number: 5202

Cindy Skach

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

We live in a time of increasing reliance on rules, codes, and regulations. Recent steps to sketch governance charters for the European Union, the United Nations, and multinational corporations demonstrate our mounting confidence in rules. This course poses general questions regarding rules in order to familiarize students with the importance of historical change and sequential development. In so doing, the course demonstrates the importance of historical framing for understanding how and why certain rules are made, and why and when such rules are broken. It does so through an analysis of one particularly important set of rules: constitutions.



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 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.

[Historical Study A-74. 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 post-imperial 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 eras of reform in the PRC and Taiwan, and explores the future of "Greater China," in the light of its past.

Note: Expected to be given in 2008–09. For students under the Core requirement, counts as either Historical Study A or Foreign Cultures, but not both.

Historical Study A-75. The Two Koreas

Catalog Number: 0786

Carter J. Eckert

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

This course seeks to provide a broad historical context in which to understand the contemporary political division on the Korean peninsula. It examines key historical forces that have created and shaped the two Koreas before, during, and after the actual partition of the country in 1945. Topics include nascent nation-building efforts between 1876 and 1910, the impact of Japanese colonialism and the Cold War, and North/South development and interaction after 1948. The course interweaves political, socioeconomic, and cultural themes within an historical framework centered on nation-building while also highlighting a number of major historiographical issues in modern Korean history.

Note: Expected to be omitted in 2008–09.

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

Catalog Number: 3594



David Blackburn

Half course (spring 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 omitted in 2008–09.

Historical Study A-84. American Constitutional History from the Framing to the Present

Catalog Number: 0718

Morton J. Horwitz (Law School)

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

This course is a survey of American constitutional history from the Framing of the Constitution to the present. Our focus will be on the texts of important Supreme Court opinions as well as on other significant documents that have shaped our constitutional understanding.

[Historical Study A-85. The United States since World War II]

Catalog Number: 6155

Lizabeth Cohen

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

An examination of American politics, society, and culture from 1945 to the present. Topics include the Cold War, suburbanization and urban renewal, mass consumption, anticommunist crusades, the evolution of American liberalism, and the rise of conservatism, the civil rights movement, the war in Vietnam and the antiwar movement, and second-wave feminism.

Particular attention will be paid to how these events played out in the Boston area.

Note: Expected to be given in 2008–09.

[Historical Study A-86 (formerly History 1692). Men and Women in Public and Private: the US in the 20th Century]

Catalog Number: 4182

Nancy F. Cott

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

This course offers historical perspective on the social relations and relative power of the sexes, tracing sharp changes and striking continuities over the past century. We will look at sexuality, masculinity, and femininity, centering these in US social, cultural and political history. Marriage, as a major public institution as well as private experience, will figure importantly. Demographic patterns, economic demands, public policy, war, and gender-based social movements will provide the context for examining expectations for manhood and womanhood as they play out in family lives, work, popular culture and politics.

Note: Expected to be given in 2009–10.



Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry - (New Course)

Catalog Number: 6692

Anne Harrington

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

An attempt to integrate the history of medical thought on the nature of madness and the madman with recent historiography on the social history of psychiatry and its institutions. Topics include the birth of the asylum, the challenge of “moral therapy,” madness and the brain, madness from the patient’s point of view, the “discovery of the unconscious,” schizophrenia, and the antipsychiatry movement.

Note: Expected to be omitted in 2008–09.

Departmental courses that satisfy the Historical Study A requirement

The following departmental courses may be taken to meet the Historical Study A 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.

African and African American Studies 10. Introduction to African American Studies

History 10b. Western Economies, Societies, and Politics: From 1648 to the Present

[History 1449. Nationalism and Socialism in 20th-Century Central Europe]

History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism

[History 1484. Europe Since World War II]

[History 1638. American Social History Since 1920]

History 1652. Introduction to Asian American History - (New Course)

[History 1657. Native America: The East]

[History 1658. Native America: The West]

[History 1851. 20th-Century Japan]

History 1890b. The Economic History of the Middle East Since World War II

[History 1907. West Africa from 1800 to the Present]

History of Science 100. Knowing the World: An Introduction to the History of Science - (New Course)

Historical Study B

[Historical Study B-06. The Roman Games]

Catalog Number: 2603

Kathleen M. Coleman

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

Examines the evidence for gladiatorial combat, staged beast-hunts, executions, and aquatic displays in the Roman world. Through analysis of these spectacles the course illuminates the social and political context of the Roman Empire. The evidence to be studied includes literary sources, inscriptions, coins, mosaics, pottery, and selected archaeological sites where the spectacles were performed. A translation is supplied for course material in Greek and Latin.

Note: Expected to be given in 2008–09.



Historical Study B-09. The Christian Revolution

Catalog Number: 6389

Christopher P. Jones

Half course (spring 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 an 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 2008–09.

[Historical Study B-11. The Crusades]

Catalog Number: 0434

Angeliki E. Laiou

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

Examines the crusades as formative events in the developing relations between Western Christians, Eastern Christians, and Muslims, and in the expansion of Western Europe into both the Middle East and the non-Christian areas of northeastern Europe. Christian and Muslim concepts of holy and just war are elaborated. Topics include: the interaction of political, economic, and religious factors in the elaboration of the crusading movement; the consequences of the crusades; the transformation of East-West relations; the effects on subsequent history; aspects of medieval colonization; conflict and coexistence between the various peoples involved. Readings focus on sources in translation.

Note: Expected to be given in 2008–09.

Historical Study B-18. The Protestant Reformation

Catalog Number: 0623

Steven Ozment

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

In the 16th century hundreds of thousands of people surrendered religious beliefs, practices, and institutions that had organized and given meaning to daily life for the greater part of a millennium. The Protestant Reformation attempts to explain why this happened and how it changed history. Lectures, art, and readings present the movers and shakers of the Reformation; its development in representative cities and lands; its theologies and social philosophies; its impact on contemporary society and culture; the Catholic response; and its legacy to the modern world.

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

Catalog Number: 4631

James Hankins

Half course (spring term). M., W., 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 2008–09. For students under the Core requirement, counts as either Historical Study B or Literature and Arts C, but not both.

[Historical Study B-24. Utopia in the Age of the Scientific Revolution]

Catalog Number: 2380

Katharine Park

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5
 16th- and 17th-century Europe saw both the invention of a new literary genre, the utopian treatise, devoted to imagining a different and better society, and the creation of a new set of goals and methods for natural inquiry, often referred to as the Scientific Revolution. This course explores the relationship between these two developments. How did the “new science” of thinkers such as Copernicus, Galileo, and Descartes inspire and shape the worlds imagined by writers such as More, Shakespeare, Cavendish, and Swift? We will end by considering the fate of the tradition of utopian thought in the 20th century.

Note: Expected to be given in 2008–09.

Historical Study B-27. The English Revolution

Catalog Number: 5234

David Smith

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

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 omitted in 2008–09.

[Historical Study B-34. The World in 1776]

Catalog Number: 2507

Sugata Bose, Emma Rothschild, and Richard Tuck

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

The world in 1776 was connected by empire, influence, law, commerce, migration, war, and the exchange of ideas. 1776 also saw the publication of Gibbon’s *Decline and Fall of the Roman Empire*, Smith’s *Wealth of Nations*, and Bentham’s *Fragment on Government*. The course examines ideas and ways of life in 1776, in Europe, Asia, Africa, and the Americas. It considers a pivotal year in American history from the vantage point of world history. Readings will include books and periodicals published in 1776, including translations from French, Spanish, and



Persian sources.

Note: Expected to be given in 2008–09.

[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.

Note: Expected to be given in 2008–09.

[Historical Study B-38. Liberty and Slavery: The History of an American Paradox]

Catalog Number: 8763

Jill M. Lepore

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

Through careful historical investigation of key events, ideas, and transformations, this course will explore the central paradox of American history: the founding of the first modern democracy by a society that embraced the slavery of abject human bondage.

Note: Expected to be given in 2008–09.

Historical Study B-39. American Revolutions in the Atlantic World - (New Course)

Catalog Number: 9016

Vincent Brown

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

This course considers the Age of Revolution in the North Atlantic world, roughly encompassing the latter half of the 18th century, as a continuous sequence of radical challenges to established authority resulting in fundamental transformations of governance throughout the region. We will view the progression of the American and Haitian revolutions as a kind of chain reaction, as if the Atlantic world was swept by a single revolutionary movement, though one of widely ranging inspirations, goals, and outcomes.

Note: Expected to be omitted in 2008–09.

[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 given in 2009–10.

[Historical Study B-41. Inventing New England: History, Memory, and the Creation of a Regional Identity]

Catalog Number: 1713

Laurel Thatcher Ulrich

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

Much of what we think we know about “colonial New England” was actually a 19th-century invention. Iconic images of the First Thanksgiving, the Salem witch trials, Paul Revere’s Ride, and white spired churches overlooking village greens were largely produced by public commemorations, poems, novels, family histories, and exhibits created long after the fact. This course explores these 19th-century inventions in the light of current scholarship on the history of early New England. Students will explore artifacts, images, and landscapes as well as written documents.

Note: Expected to be given in 2008–09.

[Historical Study B-43. Empire for Liberty: The US in the Nineteenth Century] - (New Course)

Catalog Number: 5470

Walter Johnson

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

This course treats the history of the 19th-century US and the Civil War in light of the history of US imperialism, especially the War of 1812, the Mexican-American War, and the illegal invasions of Cuba and Nicaragua in the 1850s. Likewise, it relates the history of slavery in the US to the Haitian Revolution, the Louisiana Purchase, Indian removal, Atlantic cotton, land and money markets, and the hemispheric history of antislavery.

Note: Expected to be given in 2008–09.

Historical Study B-45. The Darwinian Revolution

Catalog Number: 8691

Janet Browne

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

An examination of the intellectual structure and social context of evolutionary ideas as they developed in the 19th and 20th centuries, with particular emphasis on Darwinism as a major transformation in Western thought. Topics include an introduction to origin stories in different cultures; the natural history tradition in the West; evolutionary thought before Darwin; key aspects of Darwin’s ideas; the comparative reception of Darwinism in Britain, US, Germany, Russia and France; social Darwinism, eugenics and racial theories; early genetics and biological determinism; the search for the gene; religious controversy.



[Historical Study B-49 (formerly History 1651). History of American Capitalism]

Catalog Number: 0227

Sven Beckert

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

Examines the development of the American economy from its beginnings to the late 20th-century. 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, technological change, and government-business relations.

Note: Expected to be given in 2009–10.

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

Catalog Number: 3834

Emmanuel K. Akyeampong

Half course (fall 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 2008–09.

Historical Study B-53. World War and Global Transformation 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 US the world's preeminent power. Historical Study B-53 and B-54 examine the origin of each war; the grand strategies of the belligerents and the actual nature of combat; the war economies; response of intellectuals; and the dilemmas of peacemaking. B-53 focuses particularly on critical decisions; frontline experiences; cultural responses; political radicalization; and the fragility of the interwar global order.

Note: Expected to be omitted in 2008–09.

[Historical Study B-54. World War and Global Transformation 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 given in 2008–09.

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 US-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 omitted in 2008–09. For students under the Core requirement, counts as either Historical Study B or Foreign Cultures, but not both.

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

Catalog Number: 3447

Hue-Tam Ho Tai and Ernest R. May

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

Examines modern conflicts in Vietnam and their implications for the US from 1945–75, 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 given in 2008–09.

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-40. The Chinese Literature]

[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 courses may be taken to meet the Historical Study B 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.

[History 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650](#)

[History 20a. Western Intellectual History: Greco-Roman Antiquity](#)

[History 20b. Western Intellectual History: The Middle Ages to the Seventeenth Century](#)

[\[History 1085. The Roman Empire, Augustus to Constantine\]](#)

[History 1101. Medieval Europe](#)

[\[History 1111. The Fall of the Roman Empire\]](#)

[\[History 1121. Vengeance, Hatred, and Law in Premodern Europe\]](#)

[History 1150. The Jews in Muslim and Christian Spain](#)

[History 1422. The World of the French Revolution - \(New Course\)](#)

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-11. Arthurian Literature: Epic versus Romance]

Catalog Number: 0995

James Simpson

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

A permanent fault-line runs throughout Western literature, between epic and romance. Epic contests territory, while romance discovers the self. Epic focuses on charismatic leaders, represents the rise and fall of societies, and depicts war across a realistic geography. Romance focuses on the energetic young, represents trials of sexual desire ending either in marriage or adultery, and has a symbolic geography. Epic and romance critique each other, without resolving this inevitable conflict. This course focuses on brilliant examples of literature about King Arthur's court, written between the 12th and the 15th centuries, with some reference to 19th-century English and American texts.

Note: Expected to be given in 2008–09.

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

Catalog Number: 0691

Judith Ryan

Half course (spring 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, Rilke, Wharton, Nabokov, and Barnes.

Note: Expected to be given in 2008–09.

Literature and Arts A-17 (formerly Humanities 24). Childhood: Its History, Philosophy, and Literature - (New Course)

Catalog Number: 4852 Enrollment: Limited to 180.

Maria Tatar

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.



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

Catalog Number: 5808

Helen Vendler

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

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 2009–10.

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

Catalog Number: 6090

Lino Pertile

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

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 2008–09.

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.

Note: Expected to be omitted in 2008–09.

[Literature and Arts A-45. Theories of Authorship: Russian Case Studies]

Catalog Number: 0189

Justin Weir

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

Surveys central theories of authorship in the western tradition and considers how they have been realized and transformed by Russian writers. We analyze the process by which different concepts of the self, as shaped by Plato, Descartes, Rousseau, and others, have been creatively appropriated by seminal Russian authors, such as Pushkin, Dostoevsky, Tolstoy, Bulgakov, and Nabokov, in order to articulate their own ideas of the relationship between writing and identity.



Concludes with an examination of how new technology and recent copyright laws have affected post-Soviet notions of authorship.

Note: Expected to be given in 2008–09.

[Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France]

Catalog Number: 6627

Virginie Greene

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

The goal of this course is to present students with medieval literature as *creative writing*. It focuses on 12th- and 13th-century Old French narratives that influenced greatly the development of European literature and are still a source of inspiration for writers and screenwriters. Our reading of Arthurian romances, epics, chronicles, and short stories explores the innovative techniques that master story-tellers such as Chrétien de Troyes and Marie de France developed to start and end a story, build a character, delineate a plot, entertain and educate their readers.

Note: Expected to be given in 2008–09. No knowledge of French required.

Literature and Arts A-48. Modern Jewish Literature

Catalog Number: 1250

Ruth R. Wisse

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

Studies works in different languages and genres that variously interpret the experience of Jews in the 20th 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, and Saul Bellow.

Note: Expected to be omitted in 2008–09.

Literature and Arts A-51. Virgil: Poetry and Reception

Catalog Number: 1565

Richard F. Thomas

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

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 omitted in 2008–09.

[Literature and Arts A-53. “Athens and Jerusalem”: Self and Other in Classical Greek and Hebrew Literature]

Catalog Number: 8681

Peter Machinist and Bennett Simon (Medical School)



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

Examines the representation of “self” and “other” in two literatures foundational to Western culture, Classical Greek and Biblical Hebrew. The premise is the necessity of an “other” in order to define the “self.” Starts with “Athens” and “Jerusalem” as emblematic of the self/other polarity that the West drew out of these literatures. Then explores in them other manifestations of self and other: group identity and group origins, woman and deity as other, the development of heroic selfhood, and the emergence of self-knowledge. Emphasizes throughout how poetic and narrative forms both shape and are shaped by visions of self and other.

Note: Expected to be given in 2008–09.

Literature and Arts A-57. State and Nation: Languages in Conflict

Catalog Number: 1599

Doris Sommer

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

The intellectual, social, and aesthetic advantages of bilingualism will be explored through significant works of literature and theory. Bilingualism is an increasingly common condition, given transnational movements. But it is often misunderstood as confused or deficient because outdated expectations about identity and belonging prefer simple labels. Normally complex and creative, bilinguals are sophisticated about language. They know it is arbitrary and that communication is full of risks, mistakes, and pleasures of intermittent contact. This uneasiness about language amounts to a predisposition toward aesthetics and other philosophies.

Literature and Arts A-63. Women Writers in Imperial China: How to Escape from the Feminine Voice

Catalog Number: 8286

Wilt L. Idema

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

Despite the dominance of men as authors, subjects, and readers of literature in imperial China (221 BCE–1911), this same period also saw the emergence and development of a rich tradition of women’s literature. We will discuss what kinds of women have left literary works, and how the marginal status of women’s literature affected the genres women wrote in and the subjects they could deal with. As China’s male literature developed its own tradition of writing in the voice of women, we will pay special attention to the question of how women found their own voice despite this pre-existing “feminine” tradition.

[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 2008–09.

[Literature and Arts A-67. Poetry and Power: The Celtic Bard]

Catalog Number: 0631

Catherine McKenna

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

The Celtic word “bard” comes from languages now spoken by relatively few. Once, bards were powerful: they could destroy weak, unjust, or greedy kings with their invective, or make good kings prosperous, victorious and fertile. Over time, poets found new ways to use their powers—in love, in politics, in lament. When their languages began to retreat before the advancing tide of English, bards found themselves making poems about language and about poetry itself. We read (in translation, but with glimpses of the originals) poetry of Celtic bards from the Middle Ages to the present, tracing the transformations of power that it undergoes.

Note: Expected to be given in 2008–09.

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

Catalog Number: 7991

Peter Machinist

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

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 omitted in 2008–09.

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 philosophical 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, and Blake.

[Literature and Arts A-82. Orpheus: Literary, Artistic, and Cultural Figurations]

Catalog Number: 1445

John T. Hamilton

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

The course spans over two thousand years of varying interpretations, settings, and appropriations of the Orpheus myth. The power of music and the fatality of passion, the expropriating effects of language and the regeneration of poetry, are but a few of the themes addressed and elaborated



within the myth's threefold configuration of harmony, descent, and dismemberment. In addition to investigating the rich literary tradition, the course also turns to significant versions in opera, ballet, film, and the visual arts.

Note: Expected to be given in 2008–09.

Literature and Arts A-86. American Protest Literature from Tom Paine to Tupac

Catalog Number: 7442

John Stauffer

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

GROUP: 6

This interdisciplinary course examines the rich tradition of protest literature in the US from the American Revolution to the rise of Hip Hop and globalization. Using a broad definition of “protest literature,” it focuses on the production and consumption of dissent as a site of progressive social critique, using a wide variety of print, visual, and oral forms. We examine the historical links between modes of protest and meanings of literature, and explore how various expressions of dissent function as aesthetic, performative, rhetorical, and ideological texts within specific cultural contexts. “Readings” range from novels to photographs and music.

[Literature and Arts A-88. Interracial Literature]

Catalog Number: 1086

Werner Sollors

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

GROUP: 3

This course examines a wide variety of literary texts on black-white couples, interracial families, and biracial identity, from classical antiquity to the present. Works studied include romances, novellas, plays, novels, short stories, poems, and non-fiction, as well as some films and examples from the visual arts. Topics for discussion range from interracial genealogies to racial “passing,” from representations of racial difference to alternative plot resolutions, and from religious and political to legal and scientific contexts for the changing understanding of “race.”

Note: Expected to be given in 2008–09.

Literature and Arts A-90. Forbidden Romance in Modern China - (New Course)

Catalog Number: 7766

David Der-wei Wang

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

A literary survey of China's search for affective modernity. Through reading unlikely romances and dangerous liaisons, in fiction as in reality, it examines how writers and readers imagined and enacted the “structure of feeling” of modern China, and how representations of forbidden love generated moral, legal, and political consequences.

Note: Expected to be omitted in 2008–09.

Literature and Arts A-92. Love In A Dead Language: Classical Indian Literature and Its Theorists - (New Course)

Catalog Number: 6240

Parimal G. Patil



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

An exploration of love in five genres of classical South Asian literature—epic history, story literature, plays, poetic miniatures, and court poetry. We will pay particular attention to the nature of literary genres and practices and how they were theorized by South Asian intellectuals. Especially relevant are theories of poetic language, aestheticized emotion (especially love), and literary ornamentation.

Note: Expected to be omitted in 2008–09.

Cross-listed Core course that satisfies 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 courses may be taken to meet the Literature and Arts A 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.

[English 10a. Major British Writers I](#)

[English 10b. Major British Writers II](#)

[English 120. Introduction to Shakespeare](#)

[English 162c. Modern Drama](#)

[English 166x. The Postcolonial Classic](#)

[*Humanities 10. An Introductory Humanities Colloquium]

[Humanities 12. “Strange Mutations”: Classical and Renaissance Representations of the Human Condition]

[Humanities 16. Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond]

[Humanities 25. Literature and Human Suffering - \(New Course\)](#)

[Literature 10. Writing Across Cultures: Literatures of the World (to 1750)]

[Scandinavian 80. The Vikings and the Nordic Heroic Tradition]

Literature and Arts B

[Literature and Arts B-11. The Art of Film](#)

Catalog Number: 4249 Enrollment: Limited to 200.

D. N. Rodowick

Half course (fall term). M., W., at 12, and a weekly section to be arranged. Additional weekly required screenings scheduled on Mondays from 4-6 pm. EXAM GROUP: 5

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.

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

Catalog Number: 3243

Alex Krieger (Design School)

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

An interpretive look at the American city in terms of changing attitudes toward urban life. City and suburb are experienced as the product of design and planning decisions informed by cultural and economic forces, and in relationship to utopian and pragmatic efforts to reinterpret urban traditions in search of American alternatives. Topics include: persistent ideals such as the single-family home, attitudes toward public and private space, the rise of suburbs and suburban sprawl, cycles of disinvestment and renewed interest in urban centers, and impacts of mobility and technology on settlement patterns.

Note: Expected to be given in 2008–09.

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

Catalog Number: 2267

David G. Mitten

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

The images of Alexander the Great are examined within various cultural contexts ranging from 4th-century BCE 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-23. The Japanese Woodblock Print

Catalog Number: 4914

Yukio Lippit

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

This course provides a thorough introduction to the woodblock print – Japan's most celebrated artistic medium – from its emergence in the mid 17th century to the present. Technical developments, major genres, and master designers are explored within the context of the print's relationship to the urban culture of early modern and modern Japan. Other issues to be studied include censorship, theatricality, the construction of social roles, Western influence, the representation of war, and *Japonisme*. Special emphasis is placed on an examination of habits of pictorial representation and protocols of viewing unique to the Japanese print medium.



Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction

Catalog Number: 5649

Robin E. Kelsey

Half course (spring term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
Historically, photographs have been exceptionally persuasive records of places, people, and events. This course will consider photographs from a broad range of cultural sites and activities, including battlefields, expeditions, laboratories, slums, farms, factories, political rallies, and crime scenes, to investigate the ways in which photographers, viewers, and institutions have negotiated the interplay of photography's rhetorical and evidentiary dimensions. Featured photographs and practices will be drawn from various countries and historical moments. Particular attention will be given to fostering skills in visual analysis and historical interpretation.

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

Catalog Number: 5822

Suzanne P. Blier

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

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.

[Literature and Arts B-34. Frank Lloyd Wright and the Modern City and Suburb]

Catalog Number: 3508

Neil Levine

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

How did the modern city and suburb come to have the shape they do? This course examines the relatively unstudied area of Frank Lloyd Wright's designs for the modern metropolis as a lens through which to understand the history of 20th-century city planning and urban design as a whole. Subjects will range from the creation of the modern suburb and skyscraper city to the problems of designing for the automobile and revitalizing the downtown. Issues of theory, context (both physical and cultural), politics, criticism, and historical relevance will all be addressed.

Note: Expected to be given in 2009–10.

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 12, and a weekly section to be arranged. EXAM GROUP: 14

"Golden Age" of Ottoman-Islamic visual culture in the 16th century, considered within its



ceremonial and historical contexts, focusing on architecture, miniature painting, and decorative arts. Stresses the transformation of Byzantine Constantinople into Ottoman Istanbul, formation of an imperial architectural style, and artistic contacts with contemporary European and Islamic courts. Considers art and architecture of Safavid Iran and Mughal India as a comparative backdrop. Discusses 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 omitted in 2008–09.

[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 (fall term). M., W., at 11, and a weekly section to be arranged. EXAM GROUP: 4
 Genghis Khan's legacy entailed the destruction of social and cultural order. Paradoxically, his empire forged a dynamic relationship between nomadic and sedentary societies; his successors fostered a climate of intense 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.

Note: Expected to be given in 2008–09.

[Literature and Arts B-48. Chinese Imaginary Space]

Catalog Number: 9186

Eugene Wang

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

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. 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 given in 2008–09.

[Literature and Arts B-49. Modernisms 1865–1968]

Catalog Number: 7619

Benjamin Buchloh

Half course (spring term). M., W., at 12, and a weekly section to be arranged. EXAM GROUP: 5
 This course introduces the complex and contradictory history of modernism in the visual arts of Europe and the US, focusing on central figures (e.g. Manet, Picasso, Duchamp, Warhol) and movements (e.g. Cubism, Dada, Soviet Avant-garde), as much as on the key concepts of that



history. Lectures will emphasize the methodological diversity developed within recent art history to theorize and historicize Modernism. Readings will comprise key texts by artists, historians, and critics.

Note: Expected to be given in 2008–09.

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

Catalog Number: 0144

Thomas Forrest Kelly

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

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.

Note: Expected to be omitted in 2008-09.

[Literature and Arts B-52. Mozart]

Catalog Number: 3672

Robert D. Levin

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

The course will examine a different domain of Mozart's *oeuvre* each time it is taught, starting in 2005 with the piano concertos. The origin of Mozart's concerto form (aria structure, Baroque concertos) precedes study of a representative selection of the 21 original Mozart concertos for piano and orchestra—the largest corpus of such works by any master composer. Style and rhetoric will be central concerns, and attention will be given to evolution in interpretative style through listening to historic as well as recent recordings. The assigned works will be demonstrated by live performances by the professor with several Harvard student orchestras.

Note: Expected to be given in 2008–09.

Literature and Arts B-62. The Politics of Music - (New Course)

Catalog Number: 0535

Alexander Rehding and Eric M. Nelson

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

Since Greek antiquity, political philosophers have been both alarmed and tantalized by the power of music. They have feared its tendency to inflame the mind, but they have also coveted its ability to inspire loyalty to public undertakings. Musicians too have recognized the power of their art to shape the polis, and they have routinely used the medium to comment on debates in political philosophy. This course will examine what political philosophers from Plato to Nietzsche have had to say about music, and what composers from Handel to Gershwin have had to say—through their music—about political philosophy.

[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, focusing on selected vocal and instrumental compositions with particular attention to biographical perspectives, 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 century.

Note: Expected to be given in 2009–10.

[Literature and Arts B-68. Opera]

Catalog Number: 0940

Anne C. Shreffler

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

Opera combines dramatic, musical, and visual experiences. It can be intensely moving as well as intellectually stimulating; it offers interior monologues and thrilling virtuosity, a private aesthetic experience and public display. It has flourished in different cultures and has served a wide variety of interests. Our main focus will be on listening to the music of five selected operas and understanding how the music shapes the drama. We shall also reflect on the dramatic content of the librettos and on the operas' historical positions. Students are encouraged to take advantage of live opera in the Boston area.

Note: Expected to be given in 2008–09.

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

Catalog Number: 2093

Kay Kaufman Shelemay

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

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: Expected to be given in 2008–09.

Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue

Catalog Number: 9532

Ingrid Monson

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

An examination of jazz improvisation as a musical and social process. Key themes are learning to listen from the "bottom of the band up," and understanding why jazz is a music that is perceived to "say something" about social issues. The social issues addressed are racial



segregation, interracial encounter through music, the impact of the struggle for civil rights on the music, and the politics of aesthetic modernism in jazz. Musical examples drawn from throughout the history of the music will illustrate this ongoing dialogue between the musical and the social.

Literature and Arts B-85. American Musicals and American Culture - (New Course)

Catalog Number: 2449 Enrollment: Limited to 150.

Carol J. Oja

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

During much of the 20th century, the Broadway musical stood at the center of American culture, producing tunes and tales that became the hits of their day. It commented—wittily, satirically, relentlessly—on the ever-shifting social and political landscape, with subjects ranging from new immigrants to poverty, power, westward expansion, and issues of race. This course explores the musical artistry and cultural resonances of a cluster of iconic Broadway musicals on stage and screen, including *Shuffle Along*, *Show Boat*, *Stormy Weather*, *The Cradle Will Rock*, *Oklahoma!*, and *Pacific Overtures*. Readings focus on primary sources drawn from Harvard's illustrious Theatre Collection.

Note: Expected to be omitted in 2008–09.

Cross-listed Core course that satisfies the Literature and Arts B requirement

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

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

Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich

Departmental courses that satisfy the Literature and Arts B requirement

The following departmental courses may be taken to meet the Literature and Arts B 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.

[History of Art and Architecture 1. Landmarks of World Art & Architecture]

History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance

[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

Visual and Environmental Studies 71 (formerly 171h). Silent Cinema

Visual and Environmental Studies 72 (formerly 172h). Sound Cinema

Literature and Arts C

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Catalog Number: 3915

Gregory Nagy

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



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

An exploration of the religious worlds and gods of Hindu India—Vishnu, Krishna, Shiva, and Devi—through readings in the classical Puranas, the Ramayana, and devotional poetry. Studies the visual images through which the gods are envisioned and embodied and the meaning of such a repertoire of images. Tracks the relationship of these gods to the living landscape of temples and pilgrimage sites in India today.

Note: Expected to be omitted in 2008–09. 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 omitted in 2008–09.

[Literature and Arts C-28. Icon-Ritual-Text: Reading the Culture of Medieval Rus’]

Catalog Number: 2798

Michael S. Flier

Half course (fall 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. The course examines icon and fresco painting, architecture, ritual, music, folklore, and literature in historical and social context for clues to the evolution of an apocalyptic worldview, extending from the Christianization of Rus’ in the 10th century, through the reign of Ivan the Terrible, to the advent of Peter the Great at the end of the 17th century.

Note: Expected to be given in 2008–09. 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 (spring 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 given in 2008–09. No knowledge of Russian required.

[Literature and Arts C-40. The Chinese Literati]

Catalog Number: 5226

Peter K. Bol

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

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 responsibility, 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.

Note: Expected to be given in 2008–09. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

[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: Expected to be given in 2008–09. For students under the Core requirement, counts as either Literature and Arts C or Historical Study B, but not both.

Literature and Arts C-50. Russian Imperial Masterworks and Their Post-Histories

Catalog Number: 2786

Julie A. Buckler

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

Investigates major works of imperial Russian culture (literary, architectural, musical, theatrical)



as products of their original historical contexts and in terms of their on-going life as acknowledged “masterworks” in Russia and the West. Works include Rastrelli’s Winter Palace, Falconet’s monument to Peter the Great, Pushkin’s *The Bronze Horseman*, Dostoevsky’s *Notes From the Underground*, Tolstoy’s *War and Peace*, Mussorgsky’s *Boris Godunov*, Tchaikovsky’s *Swan Lake*, Chekov’s *Uncle Vanya*, and Bely’s *Petersburg*, as well as the imperial capital city of St. Petersburg itself. How have these masterworks been variously renewed and reinterpreted since their initial reception?

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, Cubo-Futurism, Suprematism, Constructivism. Focuses on developments in literature, art, music, ballet, and film, their interaction and relation to the historical context.

Note: 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 1, and a weekly section to be arranged. EXAM GROUP: 6

An overview of Surrealism in the context of European culture and politics of the 20th 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 2008–09.

Literature and Arts C-56. Putting Modernism Together

Catalog Number: 8437

Daniel Albright

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

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: Expected to be omitted in 2008–09.



[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 BCE–14 CE). 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 2008–09. 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). Tu., Th., at 10, and a weekly section to be arranged. EXAM GROUP: 12

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, Wedekind, Schnitzler, Hofmannsthal, Mann, Musil, Kafka. Artists include Klimt, Schiele, Kokoschka, Kirchner, Marc, Kandinsky.

Note: Expected to be given in 2008–09. No knowledge of German required.

Literature and Arts C-70. From the Hebrew Bible to Judaism, From the Old Testament to Christianity

Catalog Number: 5275

Shaye J.D. Cohen

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

The Hebrew Scriptures, what Christians call the “Old Testament” and Jews call the “Bible,” are the basis of both Judaism and Christianity. In this course we shall survey how this work of literature, through interpretation and re-interpretation, spawned two different cultural systems. Topics to be surveyed include: canon and prophecy; exegesis and *Midrash*; Shabbat and Sunday; temple, synagogue, church; the Oral Torah and the Logos; sin and righteousness; messiah and redemption.

Note: Expected to be omitted in 2008–09.

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]

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

[Foreign Cultures 67. Popular Culture in Modern China]

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

[Humanities 27. A SILK ROAD COURSE: Travel and Transformation on the High Seas: An Imaginary Journey in the Early 17th Century - \(New Course\)](#)

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 students' 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 (fall 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 2009–10.

[Moral Reasoning 22. Justice](#)

Catalog Number: 3753 Enrollment: Limited to 1000.

Michael J. Sandel

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

4

A critical analysis of selected classical and contemporary theories of justice, with discussion of



present-day practical applications. Topics include affirmative action, income distribution, same-sex marriage, 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.

Moral Reasoning 28. Ethics and International Relations

Catalog Number: 0642

Stanley Hoffmann

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

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 omitted in 2008–09.

Moral Reasoning 33. Issues in Ethics

Catalog Number: 2255

Thomas M. Scanlon, Jr.

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

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 omitted in 2008–09.

[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 given in 2008–09.

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

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 consider why one might 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 2008–09.

[Moral Reasoning 56. Self, Freedom, and Existence]

Catalog Number: 6507

Richard Moran

Half course (spring 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 2008–09.

[Moral Reasoning 58. Slavery in Western Political Thought]

Catalog Number: 8892

Richard Tuck

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

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 2009–10.

Moral Reasoning 66. Moral Reasoning about Social Protest

Catalog Number: 7778

Susanna Siegel

Half course (spring 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 US 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? What, if any, are the moral limits to this obligation? Can civil disobedience be justified, and does it always need to be? Texts include classic excerpts from Plato, Hobbes, Rawls, and Marx.



Moral Reasoning 68. Legalism: Ruly and Unruly Thought and Practices

Catalog Number: 1631

Nancy Lipton Rosenblum

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

This course considers the omnipresence of rule-making, rule-following, and legal reasoning in every aspect of our lives—from criminal due process to Harvard course requirements to the rules made and enforced by voluntary associations like the Boy Scouts. We will explore: the distinctive characteristics of legalistic modes of thought; moral justifications offered for legalism; moral objections to legalism and the power of romantic resistance to rule-making and rule-following; and what happens when the various systems of law under which we live conflict. Readings from literature, court cases, and moral and political theory.

Note: Expected to be omitted in 2008–09.

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

Catalog Number: 1489

Daniel P. Carpenter

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

A theoretical and historical survey of the evolution of republican (representative) government, with a particular focus upon Anglo-American institutions. We will alternate between philosophical treatments and empirical studies of republican regimes. Questions include: How did republican government evolve centuries before mass elections? Did arguments for legislative supremacy prefigure the rise of parliamentary authority? If so, how? What is the role of virtue in a democratic republic? How can government ensure the “rule of the wise” without fostering autocratic power? What institutions besides elections keep the ruled attuned to the people? What critique might republican theory advance of emerging “populist” arrangements?

Note: Expected to be given in 2008–09.

Moral Reasoning 76. Comparative Religious Ethics

Catalog Number: 7037

Anne E. Monius (Divinity School)

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

Predicated on the assumption that global concerns are manifest in highly particularized cultural and religious circumstances, this course seeks to understand Hindu, Buddhist, and Christian framings of and prospective solutions to the problem of communal violence in the modern world. Topics examined in each tradition include: conceptions of moral subjectivity, frameworks for moral education, close readings of novels that grapple with the moral challenges (especially new forms of violence) wrought by colonization and globalization, and explicitly religious responses to such violence in the work of Gandhi, Buddhist monastic communities in Sri Lanka, and Archbishop Desmond Tutu.

Note: Expected to be omitted in 2008–09.

Moral Reasoning 78. Classical Chinese Ethical and Political Theory

Catalog Number: 9742

Michael J. Puett



Half course (fall term). M., W., at 10, and a weekly section to be arranged. EXAM GROUP: 3
How should one make moral choices? What is the best way to live a moral life? How should the state be organized to best encourage proper human behavior? And what happens if the state comes to be formed as an empire? What are the proper moral ways to respond? Questions such as these were at the heart of classical Chinese philosophical debates. This course will be the study of how the classical Chinese thinkers wrestled with these questions and what responses they gave. As we will quickly see, the views that arose in China were among the most powerful and influential in human history. Regardless of whether one agrees with these views or not, they should be studied and taken seriously by anyone who cares about ethics and politics.

Note: Expected to be omitted in 2008–09.

[Moral Reasoning 80. The Good Life In Classical India] - (New Course)

Catalog Number: 5520

Parimal G. Patil

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

What is a good life? How does it relate to personal happiness, to being a good ruler, citizen, or lover? What is the relative value of justice, citizenship, loyalty, friendship, personal profit, and pleasure? Is the good life the same for everyone? This course is devoted to investigating how classical South Asian intellectuals approached such questions and to thinking critically about their responses. As we will see, far from being mere artifacts from someone else's historical past, classical South Asian texts provide powerful frameworks for thinking about our own lives and the ways in which we reason about them.

Note: Expected to be omitted in 2008–09. Expected to be given in 2009–10.

Moral Reasoning 82. Trust, Vision, and Doubt in ethics, politics, and law - (New Course)

Catalog Number: 4453

Scott Brewer (Law School)

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

This course explores the interplay of trust, vision, justification and doubt in ethical, political, and legal thought. It examines how some of the characteristic moral, political and legal faiths of the last few centuries have been transformed under the pressure of skepticism or of a crisis of faith. In this way, it introduces students to the problems and opportunities of reasoning in all the normative disciplines.

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.

Government 1060. Ancient and Medieval Political Philosophy

Government 1061. The History of Modern Political Philosophy

Government 1082. What is Property?

[Humanities 14. Existentialism in Literature and Film]



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

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 with which it works. Students will learn to design and implement programs of modest complexity in a modern programming language.

Note: Expected to be omitted in 2008–09. Previous programming experience is not required.

Quantitative Reasoning 22. Deductive Logic

Catalog Number: 2508

Peter Koellner

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 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 discuss various special classes of numbers, such as prime numbers, factorials, and binomial coefficients, and the many ways they arise in mathematics. We will discuss questions in probability (such as: the likelihood that two people in a class of 25 have the same birthday). We also study modular arithmetic and secret codes based on it.

Note: No mathematical background beyond high school algebra assumed. Emphasis is placed on discovery through conjecture and experimentation.

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 shows how statistical data and planned studies can be crucial when evaluating probabilities and associated risks. Students will learn how others think about uncertainty and risk and how better to assess uncertainty in their own lives. The course introduces concepts and the language of probability and statistics with an emphasis on its relationship to quantifying uncertainty for use in daily life. Examples will be drawn from the media, science, law, medicine, and government.

Quantitative Reasoning 33. Causal Inference

Catalog Number: 0424

Donald B. Rubin

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

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 course confronts such causal questions and how to reach inferentially valid answers that summarize uncertainty using formal probabilistic statements.

Note: Expected to be omitted in 2008–09.

[Quantitative Reasoning 38. The Strategy of International Politics]

Catalog Number: 7119

Lisa L. Martin

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

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 2008–09.

Quantitative Reasoning 46. The Visual Display of Information: The Art of Numbers

Catalog Number: 9479

Alyssa A. Goodman

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

GROUP: 15, 16

This course focuses on the insight into quantitative information offered by graphs, tables, charts, maps, and other illustrations. We analyze which of these tools are best for communicating what kinds of data, and why. Ideas about causality, approximation, statistical significance, credibility, and dimensionality will be addressed by analyzing real data and their display. The data will be drawn from medical, astronomical, social-science, aerospace, financial, and geographic examples. Approximately one-quarter of the course will focus on web and live presentations of data. Much of the course's philosophy is based on the work of Edward Tufte.

Note: Expected to be omitted in 2008–09.

[Quantitative Reasoning 48. Bits]

Catalog Number: 2793

Harry R. Lewis

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

GROUP: 4

Information as quantity, resource, and property. Application of quantitative methods to understanding how information technologies inform issues of public policy, regulation, and law. How are music, images, and telephone conversations represented digitally, and how are they moved reliably from place to place through wires, glass fibers, and the air? Who owns information, what forms of regulation and law restrict the communication and use of information, and does it matter? How can secrets and personal privacy be protected at the same time as society benefits from communicated or shared information?

Note: Expected to be given in 2008–09. Mathematical methods will be developed in the context of the course material. No mathematical background beyond high-school algebra is required.

Quantitative Reasoning 50. Medical Detectives

Catalog Number: 5707

Karin B. Michels (Medical School, Public Health)

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

Why is there confusion in the scientific community as to whether butter or margarine is worse for your health? How do epidemiologists find out whether cell phone use increases your risk for brain cancer? What is your risk of contracting diabetes? Discover how researchers draw on quantitative skills to detect causes of acute disease outbreaks and chronic diseases. This course introduces the techniques and methods for empirically based analyses, decisions, and actions in the context of current public health problems.

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.

[Applied Mathematics 21a. Mathematical Methods in the Sciences](#)

[Computer Science 50. Introduction to Computer Science I](#)

[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](#)

[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 102. Fundamentals of Biostatistics](#)

[Statistics 104. Introduction to Quantitative Methods for Economics](#)

[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.

Note: Expected to be omitted in 2008–09.

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

Catalog Number: 1706

Roy J. Glauber and Ronald L. Walsworth

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

Explores the ultimate nature of light and develops closely related insights into the structure of matter. An excursion through the physical world that proceeds by means of colorful lecture demonstrations drawn from several areas of optics, acoustics, electricity, and magnetism. The course concentrates on describing natural laws in terms of vivid and useful images emphasizing, for example, the common features of musical instruments, broadcast transmitters, and radiating atoms. The behavior of waves of various sorts is used to explain the fundamentals of modern communication techniques and to illustrate the limitations imposed on our knowledge by the uncertainty principle.

Note: Expected to be given in 2008–09.

Science A-30. The Atmosphere

Catalog Number: 0477 Enrollment: Limited to 60.

Steven C. Wofsy

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



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 the climate, modification of stratospheric ozone by industrial chemicals, air pollution, acid rain.

Note: Expected to be omitted in 2008–09.

Science A-35. The Energetic Universe

Catalog Number: 5923 Enrollment: Limited to 325.

Robert P. Kirshner

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

GROUP: 13, 14

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 one-hour laboratory sessions (daytime and evening) to be arranged. EXAM GROUP: 13, 14

Direct observations of the Sun and the stars, to learn how we can understand the Galaxy and the Universe from stars, the basic building blocks. In small sections, students conduct visual observations to measure apparent motions of the Sun and stars and make hands-on telescopic observations of the Sun and stars using modern instrumentation to explore their energy output, relative distances, temperatures and chemical composition, and something of their life histories. Lectures and readings discuss the physical nature and evolution of stars in our Milky Way Galaxy, and how observing stars in distant galaxies enables us to map the Universe.

Note: Expected to be omitted in 2008–09.

Science A-39. Time

Catalog Number: 0077

Gary J. Feldman

Half course (fall term). M., W., at 12:30. EXAM GROUP: 5, 6

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 verified effects so weird that Einstein wrote of them, “No reasonable definition of reality could be expected to permit this.”



Note: Expected to be omitted in 2008–09.

Prerequisite: Some knowledge of secondary school physics useful, but not required.

[Science A-41. The Einstein Revolution]

Catalog Number: 3581

Peter L. Galison

Half course (spring term). Tu., Th., 9:30–11, 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 the 20th- and 21st- centuries. Addresses Einstein's 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 2008–09.

Science A-43. Environmental Risks and Disasters

Catalog Number: 6001

Brendan J. Meade

Half course (fall term). M., W., F., at 11, and a 60-minute weekly section to be arranged. EXAM GROUP: 4

An introduction to risks in the environment. Different types of hazards are analyzed and compared: natural disasters, such as tornados, earthquakes, and meteorite impacts; adverse health effects caused by exposure to radiation and toxic substances such as radon, asbestos, and arsenic; long-term 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 posed by hazardous events, processes, and exposures. Discusses methods of risk mitigation and sociological, psychological, and economic aspects of risk control and management.

[Science A-45. Reality Physics]

Catalog Number: 4562

Gerald Gabrielse

Half course (spring term). M., W., 12–1:30, and a weekly section to be arranged. EXAM GROUP: 5, 6

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 2008–09.

Science A-47. Cosmic Connections

Catalog Number: 6940

David Charbonneau



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

Half course (spring term). M., W., 2–3:30, 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.

Science A-50. Invisible Worlds: Micro- and Nanothings. Science, Technology, and Public Policy

Catalog Number: 5565

George M. Whitesides and Mara Prentiss

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

What we perceive as “reality” is the best effort of our senses to interpret a deeper, largely invisible, reality that is unnervingly strange. This course will survey the world of very small things, objects with dimensions of nanometers and micrometers. The behaviors of these objects are often entirely counterintuitive; they can also be quite useful. Micro- and nanostructures are the basis both of fundamentally new science, and of ubiquitous technologies: quantum dots, computers, the biological nanomotors that power muscle, buckyballs, tools for examining single mammalian cells, lasers. The course will describe these objects and how they function; it will also touch on issues of commercialization, economics, public policy, and ethics that spring from the avalanche of discovery and invention in this area.

Science A-52. Energy, Environment, and Industrial Development

Catalog Number: 1387

Frederick H. Abernathy

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

Uses the historical background of industrial development from the New England industrial revolution as the framework for studying the technical aspects of succeeding waves of industrial development. Study and understanding of the underlying technologies will develop the technical knowledge and computational skills to prepare citizens to make informed numerical estimates of energy use and environmental consequences of current and proposed energy and industrial systems. Principles of physics and chemistry are worked into the course as dictated by the topics.



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

Science A-54. Life as a Planetary Phenomenon

Catalog Number: 5680

Dimitar D. Sassellov

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

GROUP: 13, 14

This course considers the relationship between life and the planet on which it resides. It examines the scientific quest to understand where life might thrive beyond Earth. On Earth, life was born of planetary processes and has been sustained by plate tectonics and other physical processes. Through evolution, life has in fact emerged as major influence on our planet's surface. Fundamental features of terrestrial life and evolution are addressed in the context of astronomy, planetary physics and chemistry. These, in turn, provide a basis for the exploration for other habitable planets, both within our solar system and in the greater universe.

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 more than could be expected of students seeing the subject for the first time.

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

***Engineering Sciences 50. Introduction to Electrical Engineering**

Life and Physical Sciences A. Foundational Chemistry and Biology - (New Course)

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

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, Light, Entropy, and Information

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

Science B



Life and Physical Sciences A. Foundational Chemistry and Biology - (New Course)

Catalog Number: 3956

Gregory C. Tucci and Tamara J. Brenner

Half course (fall term). M., W., F., at 9 and one hour per week of discussion section and one hour per week of review. 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, cell structure and physiology, and natural selection.

Note: For students with little or no previous study of chemistry or biology. This course assumes fluency with high school algebra. Life and Physical Sciences A gives solid preparation for Life Sciences 1a, Life Sciences 1b, and Physical Sciences 1.

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. Besides learning human biology, students will identify critical determinants of their health as well as the health status of diverse communities. Topics include not only the normal functioning of these systems but also their responses to infection, injury, and environmental stress. 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

Daniel E. Lieberman

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

EXAM GROUP: 15, 16

Why are humans the way we are? To address this question, this course reviews what happened in human evolution from the divergence of the ape and human lineages to the origins of our own species, *Homo sapiens*. Emphasis is placed on the primary fossil, archaeological, and comparative evidence for human evolution, and on the principles of evolutionary theory, behavioral ecology, functional morphology, and molecular evolution used to interpret these data.

Note: Expected to be omitted in 2008–09.

[Science B-29. Evolution of Human Nature]

Catalog Number: 0152 Enrollment: Limited to 300.

Richard W. Wrangham and Marc D. Hauser

Half course (spring term). Tu., Th., 10–11:30, and a 90-minute weekly section/laboratory to be arranged. . EXAM GROUP: 12, 13



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.

Note: Expected to be given in 2008–09.

Science B-35. How to Build a Habitable Planet

Catalog Number: 7621

Charles H. Langmuir

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

The steps involved in creation of our habitable planet: the Big Bang, origin of the elements, formation of minerals, origin of the solar system, formation of planets, origin of life, co-evolution of ocean, atmosphere, solid earth and biosphere, development of plate tectonics, operation of the modern whole earth system, and climate regulation. Finally we consider the arising of intelligent life that can understand and influence the planetary system, and whether Earth may be a microcosm reflecting laws of planetary evolution that may be common to a class of planets throughout the universe, or alternatively may be a low probability accident.

[Science B-40. The Biology of Trees and Forests]

Catalog Number: 2635

Donald H. Pfister

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

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.

Note: Expected to be given in 2008–09.

[Science B-44. Vision and Brain]

Catalog Number: 4722

Patrick Cavanagh

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

Focuses on the mechanisms by which the brain understands the visual world. Topics include the nature of light in the environment, physical properties of the eye, techniques of depiction in art, structure and function of the normal visual system, and deficits arising from damage to the eye or



the brain. The course will survey interdisciplinary material from physics, physiology, medicine, psychology, and art.

Note: Expected to be given in 2008–09.

Science B-47. Molecules of Life

Catalog Number: 3330

Stuart L. Schreiber and Jon Clardy (Medical School)

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

GROUP: 12, 13

DNA, RNA, and proteins play central roles in life. By considering the relationships of these molecules, many of the foundations of life can be understood. Nevertheless, another family of molecules, named “small molecules,” is key not only to understanding the principles and origins of life, but also to ensuring the highest quality of healthcare for humans. Small molecules are powerful probes of the circuitry of cells and the wiring of genomes. They are also the link between chemistry, biology, and medicine. These links, the principles of living organisms, and modern genomic medicine are explored.

Science B-53. Marine Biology

Catalog Number: 7050

Robert M. Woollacott

Half course (fall term). Tu., Th., 1–2:30, and a two-hour weekly section/laboratory to be arranged, including one required field trip. 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.

Note: Expected to be omitted in 2008–09.

Science B-57. Dinosaurs and Their Relatives

Catalog Number: 0793

Charles R. Marshall

Half course (spring term). Tu., Th., 9:30–11, and a weekly section to be arranged. EXAM

GROUP: 11, 12

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.

Science B-60. Origins of Knowledge

Catalog Number: 8280

Susan E. Carey and Elizabeth S. Spelke

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

This course explores the origins and development of knowledge in the human child, in relation to two larger time scales: biological evolution and historical/cultural change. Drawing on evidence from experimental, comparative, and developmental psychology, cultural anthropology, linguistics, cognitive neuroscience, and history of science, it focuses on knowledge development in the domains of number, space, mind, biology, physics, and language. Questions include: How



does human biology constrain and support human cognition? How variable are human knowledge systems across different cultures and times? What aspects of knowledge are unique to humans? How does knowledge change as children grow and adults gain expertise?

Note: Expected to be omitted in 2008–09.

Science B-62. The Human Mind

Catalog Number: 3167

Steven Pinker

Half course (spring term). Tu., Th., 1:30–3, and a weekly section to be arranged. EXAM

GROUP: 15, 16

An introduction to the workings of the human psyche. The course will introduce major approaches to the study of the mind such as psychoanalysis, behaviorism, cognitive neuroscience, and evolutionary psychology; controversies such as nature-nurture, consciousness, and free will; and specific topics such as perception, reasoning, language, emotion, sexuality, cooperation, love, violence, humor, beauty, religion, and the self. Research from numerous disciplines will be discussed: primarily scientific psychology, but also neuroscience, genetics, evolution, artificial intelligence, philosophy, and the social sciences.

Science B-64. Feeding the World; Feeding Yourself

Catalog Number: 2078 Enrollment: Limited to 100.

N. Michele Holbrook and Noreen Tuross

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

GROUP: 4

What is the capacity of our planet to feed the ever-increasing human population? How do we define a healthy human diet? Here we consider food as a biological resource and an ecological process, addressing such themes as the biological basis for agricultural productivity, the history of human innovation in increasing crop production, and the relationship between diet and health. Specific topics include plant and animal domestication, the efficiency of energy conversion by plants and animals, the biochemistry of food and digestion, the opportunities (and risks) associated with genetic manipulation and food preparation, and the challenges resulting from climate change.

[Science B-65. Evolutionary Biology] - (New Course)

Catalog Number: 9680

Jonathan Losos

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

An exploration of the process of biological evolution, the way the biosphere and its inhabitants have changed through time, and how human actions affect the evolutionary process, thereby changing our contemporary biological environment. The mechanics and pace of evolution are examined from the molecular to the species level with an emphasis on the ecological context of natural selection. Modern approaches to the study of evolution—from genome sequencing to manipulative experiments in natural populations—are emphasized. Current controversies over the occurrence of evolution are discussed.

Note: Expected to be given in 2008–09.



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 more than could be expected of students seeing the subject for the first time.

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

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

[Life Sciences 2. Evolutionary Human Physiology and Anatomy - \(New Course\)](#)

[MCB 52 \(formerly Biological Sciences 52\). Molecular Biology](#)

[MCB 54 \(formerly Biological Sciences 54\). Cell Biology](#)

[MCB 80 \(formerly Biological Sciences 80\). Neurobiology of Behavior](#)

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

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

[OEB 53 \(formerly Biological Sciences 53\). Evolutionary Biology](#)

[OEB 57 \(formerly Biological Sciences 57\). Animal Behavior](#)

[OEB 139. Evolution of the Vertebrates](#)

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

N. Gregory Mankiw, and members of the Economics Department

Full course. M., W., F., at 12. Sections also meet at 9, 10, 11, 12, 1, or 2. EXAM GROUP: 5

Introduction to economic issues and basic principles and methods of economics. Fall term focuses on microeconomics: how markets work, market efficiency and market failure, firm and consumer behavior, and policy issues such as taxation, international trade, the environment, and the distribution of income. Spring term focuses on macroeconomics: economic growth, inflation, unemployment, the business cycle, the financial system, international capital flows and trade imbalances, and the impact of monetary and fiscal policy.

Note: Microeconomics (taught in the fall term) is a prerequisite for macroeconomics (taught in the spring term). Students may elect to take only the fall microeconomics course and receive a half-course credit. Taught in a mixture of lectures and small 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 the full-year course in their freshman year. This is a required course for all economics concentrators and a prerequisite for higher level courses in economics.

[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology]

Catalog Number: 4247

Arthur Kleinman

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 medical systems across societies to understand the experience and treatment of sickness. Analyzes how practitioners 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 global 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 2009–10.

Social Analysis 34. Knowledge of Language

Catalog Number: 2069

Maria Polinsky

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 signed and spoken languages, language universals, child language acquisition, language change, language disorders, and language games. The course also addresses central issues in psychology, animal communication, computer science, and biology.

Social Analysis 43. Psychological Trauma

Catalog Number: 9983

Richard J. McNally

Half course (spring term). M., W., at 1, and a weekly section to be arranged. EXAM GROUP: 6
 Few topics in contemporary American culture have sparked as much controversy as has psychological trauma. Although clinical interest in trauma waxed and waned since the 1890s when Freud proposed that people repress memories of childhood sexual assault, interest has markedly increased since 1980 when the American Psychiatric Association ratified the diagnosis of posttraumatic stress disorder (PTSD) to describe the problems of troubled combat veterans of the Vietnam War. The purpose of this course is to survey the clinical, historical, cultural, and political aspects of psychological trauma.

Social Analysis 46. Thinking about Politics: A Rational Choice Approach

Catalog Number: 3544

Kenneth A. Shepsle

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



13

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 (spring 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. The Political Economy of Development

Catalog Number: 1879

Robert H. Bates

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

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, war-making, and development.

[Social Analysis 54. American Society and Public Policy]

Catalog Number: 6661

Theda Skocpol and Mary C. Waters

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

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 US 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 US.

Note: Expected to be given in 2008–09.

Social Analysis 66. Race, Ethnicity, and Politics in the United States

Catalog Number: 0916

Jennifer L. Hochschild

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

How are racial divisions and American political structures related? Is racial/ethnic hierarchy built into American politics so deeply that the nation must change dramatically to eradicate it? Or is racial/ethnic hierarchy a flaw in an essentially fair society that we can eradicate without major dislocation? Half of the course addresses this set of questions. How do African Americans, Anglos, Latinos, and Asian Americans relate to one another? The second half of the course considers interracial coalitions, racialization and assimilation, multiracialism, and policy issues relevant to various groups. We conclude with several visions of racial and ethnic politics in America's future, and address how to get there.

[Social Analysis 70. Food and Culture]

Catalog Number: 3940

James L. Watson

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

Food is examined for its social and cultural implications; nutritional or dietetic concerns are of secondary interest. Topics include food taboos and restrictions, gift giving and reciprocity, food symbolism and social boundaries, food panics, globalization of food industries, food security and agroterrorism, and the world standardization of food preferences. Examples are drawn from China, Japan, Korea, India, Latin America, Africa, Europe, the Pacific, and the US.

Note: Expected to be given in 2008–09.

Social Analysis 72. Economics: A Critical Approach

Catalog Number: 1885

Stephen A. Marglin

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

This course critically examines the assumptions of modern economics and how these assumptions mold the ideas and conclusions of the discipline. A principal question is the appropriate scope of the market. This question will be examined both theoretically and through examples drawn from both microeconomics and macroeconomics; possible examples include minimum wage and “living wage” legislation, health care, the environment, international trade, social security, and macroeconomic stabilization.

Note: Primarily taught in lectures, with section meetings offering a chance both to clarify concepts and to discuss applications. Calculus is not used, and there is no mathematics prerequisite. Unlike Social Analysis 10, this course does not fulfill the introductory course requirement for the Economics Department. Moreover, most upper level courses in Economics normally require Social Analysis 10 as a prerequisite; without this prerequisite, enrollment is at the discretion of the instructor.



Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy

Catalog Number: 3835

John Huehnergard

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

Can you read this? Why? How is it possible to record speech and thoughts in visible form, and to understand what others have recorded? Writing may be the most important human invention, yet it has been invented only a handful of times. We will investigate how writing represents speech and thought in visual form, origins of writing five millennia ago, types of writing (pictographic, syllabic, alphabetic), decipherment, the cultural impact of literacy. We will consider scripts such as Mesopotamian cuneiform, Egyptian hieroglyphs, Chinese, Mayan glyphs, Japanese, Korean, recently-invented scripts, and alphabets, including our own, that arose from Semitic consonant systems.

Note: Expected to be omitted in 2008–09.

[Social Analysis 76. Global Health Challenges]

Catalog Number: 2178

Susanne J. Goldie (Public Health, Medical School)

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

This course introduces the principal health problems of the world's populations. It is an interdisciplinary exploration of the factors that account for health patterns, ranging from their physiological basis to their epidemiological, economic, social and political context. Topics include: infectious and chronic diseases, childhood and reproductive health, aging, health systems, priority setting, and real world policy. Emphasis is placed on methods for measuring population health, the evidence base for the costs and consequences of interventions, and analytic tools for decision making. Students are encouraged to think creatively about the major challenges to improving health at a global level.

Note: Expected to be given in 2008–09.

Social Analysis 80. World Poverty and Human Rights - (New Course)

Catalog Number: 0442

Stephen P. Marks (Public Health) and Ajay Mahal (Public Health)

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

This course will familiarize students with the application of the social sciences (political science, law, economics, anthropology, sociology, and philosophy) to issues of human rights as they arise in the context of economic development and the international political economy. Focus on concepts of development; means and methods of human rights promotion and protection; issues of gender, corruption; access to health, food, and housing; lending, trade liberalization, foreign direct investment, technical cooperation, and poverty reduction strategies. Examination of empirical data and the behavior of individuals and institutions, (international organizations, government officials, civil society organizations, financial institutions, etc.) in the development process.

Departmental courses that satisfy the Social Analysis requirement



The following departmental courses may be taken to meet the Social Analysis 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.

[Economics 1010a. Microeconomic Theory](#)

[Economics 1010b. Macroeconomic Theory](#)

[Economics 1011a. Microeconomic Theory](#)

[Economics 1011b. Macroeconomic Theory](#)

[Government 20. Introduction to Comparative Politics](#)

[Government 1780. International Political Economy](#)

General Education Electives, House Seminars, and Freshman Seminars

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Freshman Seminars

Georgene B. Herschbach, Associate Dean of Undergraduate Academic Programs (*ex officio*)
(Chair)

Lawrence Buell, Powell M. Cabot Professor of American Literature

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies

Gerard F. Denault, Associate Director of the Freshman Seminar Program (*ex officio*)

Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy (*on leave spring term*)

Virginie Greene, Professor of Romance Languages and Literatures

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

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of the Freshman Seminar Program, ex officio*)

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures

Other Faculty Offering Instruction in General Education Electives and House Seminars

Humanities

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities



Julie A. Buckler, Professor of Slavic Languages and Literatures
Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures (*on leave spring term*)
Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History
James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
Marjorie Garber, William R. Kenan, Jr. Professor of English and American Literature and Language and of Visual and Environmental Studies
Stephen J. Greenblatt, Cogan University Professor
Christopher D. Johnson, Assistant Professor of Comparative Literature
Sean D. Kelly, Professor of Philosophy
Thomas A. Lewis, Assistant Professor of Christian Studies
Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and Language
Stephen A. Mitchell, Professor of Scandinavian and Folklore
Michael J. Puett, Professor of Chinese History
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities
Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures (*on leave 2006-07*)
Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
Richard K. Wolf, Harris K. Weston Associate Professor of the Humanities

Life Sciences

Daniel L. Hartl, Higgins Professor of Biology
Craig P. Hunter, Professor of Molecular and Cellular Biology
Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
David R. Liu, Professor of Chemistry and Chemical Biology
Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology
Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
Erin K. O'Shea, Professor of Molecular and Cellular Biology
Maryellen Ruvolo, Professor of Anthropology
John R. Wakeley, Professor of Organismic and Evolutionary Biology

Physical Sciences

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry
Melissa Franklin, Mallinckrodt Professor of Physics
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics
Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)
Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
Masahiro Morii, John L. Loeb Associate Professor of the Natural Sciences
Hongkun Park, Professor of Chemistry and Chemical Biology
Aravinthan D. T. Samuel, Associate Professor of Physics



Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor

Other General Education Electives

Donald M. Berwick, Associate Professor in the Department of Health Policy and Management (*Public Health*) and Clinical Professor of Pediatrics and Health Care Policy (*Medical School*)
David Blumenthal, Samuel O. Thier Professor of Medicine and Professor of Health Care Policy (*Medical School*)
Richard G. Frank, Margaret T. Morris Professor of Health Economics (*Medical School*)
Howard H. Hiatt, Professor of Social Medicine and of Medicine (*Medical School*) and Professor of Medicine (*Public Health*)
Anthony G. Oettinger, Gordon McKay Professor of Applied Mathematics and Professor of Information Resources Policy
Warner V. Slack, Professor of Medicine (*Medical School*)

House Seminars

Shahram Khoshbin, Associate Professor of Neurology (*Medical School*)
Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
Armand M. Nicholi II, Clinical Professor of Psychiatry (*Medical School*)

Other Faculty Offering Instruction in the Freshman Seminar Program

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics
Arthur I. Applbaum, Professor of Ethics and Public Policy (*Kennedy School*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Paul G. Bamberg, Senior Lecturer on Mathematics
Paul J. Barreira, Associate Professor of Psychiatry (*Medical School*)
Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies
Edyta M. Bojanowska, Lecturer on Slavic Languages and Literatures, Junior Fellow of the Society of Fellows, Contin Ed/Spec Prog Instructor
Jonathan H. Bolton, Assistant Professor of Slavic Languages and Literatures
Allan M. Brandt, Professor of the History of Science (FAS) and Amalie Moses Kass Professor of the History of Medicine (*Medical School*)
Sue Brown, Lecturer on Linguistics (*spring term only*)
Lawrence Buell, Powell M. Cabot Professor of American Literature
Michael R. Canfield, Lecturer on Organismic and Evolutionary Biology
David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*)
Judith F. Chapman, Lecturer on Anthropology
Lizabeth Cohen, Howard Mumford Jones Professor of American Studies
Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
Richard N. Cooper, Maurits C. Boas Professor of International Economics



S. Allen Counter, Associate Professor of Neurology (*Medical School*)
 Edwin A. Cranston, Professor of Japanese Literature
 Cole M. Crittenden, Lecturer on Slavic Languages and Literatures
 Noah I. Dauber, Lecturer on Social Studies
 Kimberly C. Davis, Lecturer on History and Literature
 Kathleen Donohue, Associate Professor of Biology
 John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature, Associate of Eliot House (*on leave fall term*)
 Marla D. Eby, Assistant Professor of Psychology (*Medical School*)
 Catherine Z. Elgin, Professor of Education (*School of Education*)
 Noam D. Elkies, Professor of Mathematics
 Jacob M. Emery, Lecturer on Literature
 Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
 Gary J. Feldman, Frank B. Baird, Jr. Professor of Science
 Philip J. Fisher, Harvard College Professor and Felice Crowl Reid Professor of English and American Literature
 Rena Fonseca, Lecturer on History and Literature
 David R. Foster, Senior Lecturer on Biology
 Deborah D. Foster, Senior Lecturer on Folklore and Mythology
 Robert France, Adjunct Associate Professor of Landscape Ecology (*Design School*)
 Donald B. Giddon, Clinical Professor of Developmental Biology (*Medical School*)
 Roy J. Glauber, Mallinckrodt Professor of Physics
 Donald A. Goldmann, Professor of Pediatrics (*Medical School*) and Professor of Immunology and Infectious Diseases (*Public Health*)
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
 George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature
 Rachel L. Greenblatt, Instructor [convertible] in Near Eastern Languages and Civilizations, Assistant Professor of Near Eastern Languages and Civilizations
 Stephen J. Greenblatt, Cogan University Professor
 Jerome E. Groopman, Dina and Raphael Recanati Professor of Medicine (*Medical School*)
 Benedict H. Gross, George Vasmer Leverett Professor of Mathematics and Dean of Harvard College
 Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave spring term*)
 Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts (*on leave spring term*)
 Peter Dobkin Hall, Lecturer on History
 Evelyn M. Hammonds, Professor of the History of Science and of African and African American Studies
 James Hanken, Professor of Biology and Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology (*on leave fall term*)
 Mark G. Hanna, Lecturer on History and Literature, Contin Ed/Spec Prog Instructor
 Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences
 Marc D. Hauser, Harvard College Professor and Professor of Psychology
 Anna A. Henchman, Lecturer on History and Literature
 Charles W. M. Henebry, Lecturer on History and Literature, Preceptor in Expository Writing



Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures
David H. Hubel, Research Professor of Neurobiology (*Medical School*)
John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology
John Huehnergard, Professor of Semitic Philology
Francis Abiola Irele, Visiting Professor of African and African American Studies and of
Romance Languages and Literatures
Maxine Isaacs, Lecturer on Government
Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology
Laura K. Johnson, Lecturer on History and Literature
Robert J. Kiely, Donald P. and Katherine B. Loker Research Professor of English
Amy M. Kittelstrom, Lecturer on History and Literature
William Klemperer, Erving Research Professor of Chemistry
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Ellen Condliffe Lagemann, Charles Warren Professor of the History of American Education
(*School of Education*)
Elisabeth L. Laskin, Lecturer on History
Jennifer Leaning, Professor of International Health (*Public Health*) and Assistant Professor of
Medicine (*Medical School*)
Myron Lecar, Lecturer on Astronomy
Tun-Hou Lee, Professor of Virology (*Public Health*)
Patti T. Lenard, Lecturer on Social Studies
Jonathan Ian Levy, Mark and Catherine Winkler Assistant Professor of Environmental Health
and Risk (*Public Health*)
Malinda Maynor Lowery, Assistant Professor of History (*on leave 2007-08*)
Theodore Macdonald, Lecturer on Social Studies
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave
spring term*)
James N. Mancall, Lecturer on History and Literature
Ernest R. May, Charles Warren Professor of American History
David McCann, Korea Foundation Professor of Korean Literature
Timothy P. McCarthy, Lecturer on History and Literature
Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities
John C. McMillian, Lecturer on History and Literature
Louis Menand, Anne T. and Robert M. Bass Professor of English and American Literature and
Language
Everett I. Mendelsohn
Karin B. Michels, Associate Professor of Epidemiology (*Public Health*) and Associate Professor
of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
Ralph Mitchell, Gordon McKay Professor of Applied Biology
Ken Nakayama, Edgar Pierce Professor of Psychology
Charles A. Nelson, Professor of Pediatrics (*Medical School*)
Carol J. Oja, William Powell Mason Professor of Music
John G. Palfrey, Clinical Professor of Law (*Law School*)
Judith Palfrey, T. Berry Brazelton Professor of Pediatrics (*Medical School*)
David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences



Sharrona Pearl, Lecturer on History and Literature
David Pilbeam, Henry Ford II Professor of Human Evolution
Nikolas Prevelakis, Lecturer on Social Studies
Mylène Priam, Assistant Professor of Romance Languages and Literatures
Lisa Randall, Professor of Physics
Nancy Rappaport, Assistant Professor of Psychiatry (*Medical School*)
Michael R. Reich, Taro Takemi Professor of International Health Policy (*Public Health*)
Louise M. Richardson, Senior Lecturer on Government
Panagiotis Roilos, Associate Professor of Modern Greek, Professor of Modern Greek Studies
Amelie Rorty, Visiting Professor of Social Studies (*Yale University*)
James R. Russell, Mashtots Professor of Armenian Studies
Robert J. Sampson, Henry Ford II Professor of the Social Sciences (*on leave spring term*)
Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value
Fred C. Schaffer, Lecturer on Social Studies
Ronald Schouten, Associate Professor of Psychiatry (*Medical School*)
Sharmila Sen, Assistant Professor of English and American Literature and Language
Steven Shapin, Franklin L. Ford Professor of the History of Science
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies
Anne C. Shreffler, James Edward Ditson Professor of Music
P. Oktor Skjaervo, Aga Khan Professor of Iranian
Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*) (*on leave fall term*)
Amy L. Spellacy, Lecturer on History and Literature
Stefan Sperling, Lecturer on the History of Science
Rachel St. John, Assistant Professor of History
Jessica E. Stern, Lecturer on Government
Sarah Stewart-Mukhopadhyay, Assistant Professor of Planetary Science
Christopher Stubbs, Professor of Physics and of Astronomy
Maureen E. Sullivan
Lisa Szefer, Lecturer on History and Literature, Fellow in the W.E.B. Du Bois Institute for African and African American Research
Rabun Taylor, Associate Professor of History of Art and Architecture
Xiaofei Tian, Professor of East Asian Languages and Civilizations
Michael Tinkham, Rumford Research Professor of Physics and Gordon McKay Research Professor of Applied Physics
Helen Vendler, Arthur Kingsley Porter University Professor
Adam Webb, Lecturer on Social Studies
Daniel I. Wikler, Mary B. Saltonstall Professor of Population Ethics and Professor of Ethics and Population Health (*Public Health*)
Richard Wilson, Mallinckrodt Professor of Physics, *Emeritus*

General Education Electives



The Faculty of Arts and Sciences has been involved in a process of curricular renewal for the past three years. As a direct result of these curricular discussions, the following courses in Humanities, Life Sciences, and Physical Sciences have emerged from different parts of the faculty as portals or gateways into broad areas of knowledge. They are listed in this section of the catalog for the 2006-07 academic year only in order to serve as a signpost to help students navigate the curriculum as it is in a state of transition. Once final determinations are made about the structure of new or revised general education requirements, these and other related courses will be reviewed and located in the appropriate and relevant sections of the catalog.

General Education Courses: Humanities

***Humanities 10. An Introductory Humanities Colloquium - (New Course)**

Catalog Number: 3983 Enrollment: Limited to 36.

Stephen J. Greenblatt and Louis Menand

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

The course is designed for students interested in concentrating in a Humanities discipline. We cover major works of literature and ideas from Homer, Plato, and Aristotle to Nietzsche, Freud, and Joyce. 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: Ninety-minute lecture-discussion, plus one-hour section led by the instructors. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

Humanities 11. Self, Serenity, and Vulnerability: East and West - (New Course)

Catalog Number: 2401

Michael J. Puett and Roberto Mangabeira Unger (Law School)

Half course (spring term). W., 4:45–6:45. EXAM GROUP: 9

A comparative inquiry into forms of moral consciousness and their metaphysical assumptions in the high cultures of the East and West. Background concern: divergent ways in which philosophy, religion, and art in the East and West have dealt with the fear that our lives and the world itself may be meaningless. Foreground theme: contrast between two existential attitudes—staying out of trouble and looking for trouble. Texts include Chinese, Indian, ancient Greek, and modern European philosophy.

Humanities 12. “Strange Mutations”: Classical and Renaissance Representations of the Human Condition - (New Course)

Catalog Number: 9725

Christopher D. Johnson

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

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

Humanities 14. Existentialism in Literature and Film - (New Course)

Catalog Number: 3524

Sean D. Kelly

Half course (fall term). Tu., Th., at 12; Th., at 2. EXAM GROUP: 14

What is it to be a human being? How can human beings live meaningful lives? These questions guide our discussion of theistic and atheistic existentialism and their manifestations in literature and film. Material includes philosophical texts from Pascal, Kierkegaard, Nietzsche, Sartre; literature from Dostoevsky, Kafka, Beckett; films from Jean-Luc Godard, Alain Resnais, Carol Reed.

Humanities 15. On Being Human: Religious and Philosophical Conceptions of the Self - (New Course)

Catalog Number: 5438

Thomas A. Lewis

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

An examination of classic and contemporary views on the nature of human existence. Central themes include the relation between reason and emotion, the nature of human freedom, and the significance of personal history and memory. We also ask how conceptions of who we are shape views about how we should live. Sources include religious and philosophical texts (such as those of Aristotle, Augustine, Kierkegaard, and Charles Taylor) as well as recent films.

Note: Offered jointly with the Divinity School as 2411.

Humanities 16. Existential Fictions: From Saint Augustine to Jean-Paul Sartre and Beyond - (New Course)

Catalog Number: 3016

Verena A. Conley

Half course (fall term). Tu., Th., at 12; Th., at 4; F., at 12. EXAM GROUP: 14

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

[Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures]

Catalog Number: 0110

Ali S. Asani

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

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, and the West.

Note: Expected to be given in 2007–08. No prior knowledge of Islam required. Offered jointly with the Divinity School as 3627.

[Humanities 21 (formerly Spanish 155). The Making of Cultural and Political Myths in Latin America]

Catalog Number: 7904

Diana Sorensen

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

How have certain historical figures been transformed into mythical forces? How have they been made to articulate culture and politics? We study the ways in which Eva Perón, Che Guevara, Simón Bolívar, and La Malinche have been turned into veritable systems of communication in varied historical moments, according to debates located in their political and ideological contexts. Our approach is interdisciplinary: we study literary texts, politics, history, gender theory, films, photography, and journalism.

Note: Expected to be given in 2007–08.

[Humanities 22. Global Pathways] - (New Course)

Catalog Number: 2938

Homi K. Bhabha

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

A critical interpretation of literature combining an interdisciplinary approach with a global (or transnational) perspective in an effort to better understand the relationship between them. Examines such terms as internationalism, cosmopolitanism, colonialism, imperialism, and globalization in a literary context and looks at geographically diverse literary genres in the context of identity, landscape and the depiction of nature, civil states and colonial societies, cities and citizens, religion and morality, and the quest for security and prosperity.

Note: Expected to be given in 2007–08.

[Humanities 24. The Cult of Childhood and Its History, Philosophy, and Literature] - (New Course)

Catalog Number: 4852 Enrollment: Limited to 40.

Maria Tatar

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

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 given in 2007–08.



[Humanities 25. Literature and Human Suffering] - (New Course)

Catalog Number: 6766

James Engell

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

How does literature represent life visited by loss, pain, disappointment, and even death? The course pursues aesthetic and ethical issues grouped around such themes as sorrow and love; racial oppression, genocide, and slavery; individual, family, state—crime and justice; war and duty; and anguish of existence and belief. Discussion of literary genres (epic, novel, drama, memoir). Works by Shakespeare, Goethe, Tolstoy, Anne Frank, Primo Levi, Melville, Douglass, Athol Fugard, Sophocles, Dostoevsky, Solzhenitsyn, Homer, Camus, Hardy.

Note: Expected to be given in 2007–08. Works not in English read in translation.

[Humanities 26. Arts and Minds] - (New Course)

Catalog Number: 9471

Julie A. Buckler and Marjorie Garber

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

Combined lecture and seminar bridging humanities and creative/performing arts to foster a broadly synthetic mode of inquiry. How can we understand the relationship between intellectual and artistic work across diverse periods and cultures, from ancient Greece to the digital age? What kind of interdisciplinary theory and practice best serves this project? How do specific texts, images, and performance-works assert the interconnection of arts and minds? How might our individual and collaborative work for this course do the same?

Note: Expected to be given in 2007–08.

[Humanities 28 (formerly English 190x). Philosophy and Literature: The Problem of Consent]

Catalog Number: 0561

Elaine Scarry

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

“Consent” in literature, medicine, political philosophy, and law. Four major topics are freedom of movement (Locke’s *Second Treatise*, Dickens’s *A Tale of Two Cities*, DeQuincey’s *English Mail-Coach*, Harlan’s dissent in *Plessy v. Ferguson*), constitution and contract-making (European city contracts, Shakespeare’s *A Midsummer Night’s Dream*, *Federalist Papers*), the grounding of consent in the body (Plato’s *Crito*, Euripides’ *Hecabe*, Donne’s poetry, Rousseau’s *Social Contract*, contemporary medical case law), and decision making in war (Homer’s *Iliad*, Sophocles’ *Philoctetes*).

Note: Expected to be given in 2007–08.

Cross-listed Courses

Foreign Cultures 79. Historical and Musical Paths on the Silk Road - (New Course)

Catalog Number: 5576

Mark C. Elliott and Richard K. Wolf

Half course (spring term). M., W., (F)., at 11, and two weekly sections to be arranged. EXAM

**GROUP: 4**

Globalization may seem quintessentially modern, but in fact it is nothing new. To demonstrate the deep interconnectedness of the historical cultures of Eurasia, this course takes students on a journey along the Silk Road, from ancient times to the present. We will use an integrated interdisciplinary approach to study the ebb and flow of people, ideas, goods, techniques, and artistic styles along the trade routes of Central, South, and East Asia, with a special focus on musical traditions. In addition to learning about particular histories and historic links among societies, we also consider the formation of critical theories of relatedness.

Note: Expected to be omitted in 2007–08. No knowledge of Asian languages or music is required. One weekly section is a music section and the other is a discussion section.

General Education Courses: Life Sciences**Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology**

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, David R. Liu, Robert A. Lue, and Andrew W. Murray
Half course (fall term). Tu., Th., 10–11:30, and three hours of laboratory/discussion weekly.

EXAM GROUP: 12, 13

What are the fundamental features of living systems? What are the molecules that impart these features, and how do their chemical properties explain their biological roles? The answers to these questions form the basis for an understanding of the molecules of life, the cell, diseases, and medicines. In contrast with a traditional presentation of relevant scientific disciplines in separate courses, the above concepts are examined through an integrated presentation of 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. When taken for a letter grade, Life Sciences 1a meets 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, Craig P. Hunter, Maryellen Ruvolo, and John R. Wakeley
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. When taken for a letter grade, Life Sciences 1b meets the Core area requirement for Science B.

General Education Courses: Physical Sciences

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences - (New Course)

Catalog Number: 2225

James G. Anderson, Efthimios Kaxiras, Charles M. Lieber, and Hongkun Park

Half course (spring term). M., W., F., at 9, plus one hour per week of discussion and three hours per week of laboratory to be arranged. EXAM GROUP: 2

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. This course, when taken for a letter grade, meets 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. Exposure to secondary school physics and chemistry is helpful.

Physical Sciences 2. Mechanics, Elasticity, Fluids, and Diffusion - (New Course)

Catalog Number: 6053

Melissa Franklin, Andrew J. M. Kiruluta (Medical School), and Howard A. Stone

Half course (fall term). Tu., Th., 9:30–11, plus weekly discussion sections and laboratory sessions to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

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

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Light, Entropy, and Information - (New Course)

Catalog Number: 5262

Masahiro Morii, Aravinthan D. T. Samuel, and George M. Whitesides

Half course (spring term). Tu., Th., 9:30–11, plus weekly discussion sections and five laboratory sessions to be arranged. EXAM GROUP: 11, 12

This course will examine the two universal driving forces that guide nearly all chemical and



biological phenomena: electromagnetism and entropy. Detailed case studies will examine the biological applications of electromagnetic radiation and the role of information in biological systems. Topics covered include: electric and magnetic fields and forces, light, waves, entropy, and information processing in electronic circuits and in biology.

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.

Prerequisite: Physical Sciences 2 (or Physics 1a or 11a), Mathematics 1b, or equivalent.

General Education Courses: Other Electives

***General Education 157. Intelligence, Command, and Control: Conference Course**

Catalog Number: 9630 Enrollment: Limited to 15.

Anthony G. Oettinger

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Examines evolution of the missions, tools, structure, and performance of US intelligence agencies from the *National Security Act (1947)* to the *Intelligence Reform and Terrorism Prevention Act (2004)*. Impact of shifting perceptions of threats to the US on the categorization of activities as intelligence v. law enforcement, civilian v. military, strategic v. tactical, local v. state v. national, or governmental v. private.

Note: Students with political, legal, economic, civilian, military, technical, or other backgrounds welcome. Term paper in lieu of final examination; extensive research expected of graduate students. Cross-registration by Law, Business, or Kennedy School students encouraged.

General Education 186. Introduction to Health Care Policy

Catalog Number: 4045

Richard G. Frank (Medical School)

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

Provides overview of US health care delivery system, components, and policy challenges. The health care system is considered from different "stake holder" perspectives: analyses roles of patients, patients, providers, health plans, and payers. Considers objectives, constraints, incentives, knowledge, and conduct. Evaluates problems faced by each actor in the system. What makes health care so hard to reform? Can we count on consumerism to improve quality? Reading includes selections from medical sociology, economics, politics, and ethics.

Note: Offered jointly with the Kennedy School as HCP-100. Meets at the Kennedy School.

***General Education 187. The Quality of Health Care in America**

Catalog Number: 4832 Enrollment: Limited to 35.

Donald M. Berwick (Public Health, Medical School), David Blumenthal (Medical School), Howard H. Hiatt (Medical School, Public Health), and Warner V. Slack (Medical School)

Half course (spring term). Tu., Th., 4:30–6:30. EXAM GROUP: 18

Offers information and experiences regarding the 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.

House Seminars

Primarily for Undergraduates

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.

Currier

***Currier 79. Medicine, Law, and Ethics: An Introduction**

Catalog Number: 9614 Enrollment: Limited to 20.

Shahram Khoshbin (Medical School)

Half course (spring term). M., 7–9 pm. EXAM GROUP: 9

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: All students are welcome, but this seminar is particularly geared to pre-medical and pre-law students.

Eliot

***Eliot 79. Nutrition and Public Health**

Catalog Number: 1497 Enrollment: Limited to 20.

Clifford Lo

Half course (spring term). Tu., 5:30–7:30 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.



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). M., 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 79. St. Petersburg: The City as Art and Imagination - (New Course)**

Catalog Number: 7562 Enrollment: Limited to 20.

James R. Russell (Department of Near Eastern Languages and Civilizations)

Half course (spring term). W., 7–10 p.m.

Although some planned, invented cities never become realities, St. Petersburg, imagined and willed into existence by Peter the Great, has become a hyper-reality. The cultural St. Petersburg of literature, graphic and plastic arts, and music directs the thinking and lives of its inhabitants. Studies impact of climate, built reality, and actual life--the great and impersonal capital, the absurd and the supernatural, crime, the revolutionary response, purge and blockade, and the city reborn.

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 may not be audited. For a complete description of the Freshman Seminar Program and 2006-07 offerings, please consult the current Freshman Seminar catalog. Catalogs may be obtained from the Freshman Seminar Office, 6 Prescott Street, Cambridge, MA 02138 (telephone: 617-495-1523; email: seminars@fas.harvard.edu). Additional information can be obtained from the Freshman Seminar website: <http://www.freshmanseminars.college.harvard.edu/>.

Freshman Seminars 2006-07

***Freshman Seminar 21i. Fourier's Series - (New Course)**

Catalog Number: 4711 Enrollment: Limited to 12.



Donald G. M. Anderson

Half course (spring term). M., 3–5.

Fourier series provided a major impetus for the development of significant portions of classical analysis during the 19th century. Looks at central topics in classical analysis, focusing on the sequence of hard won conceptual advances involved rather than the modern synthesis thereof. Informed by historical evolution of the underlying ideas. The emphasis here is on learning how to approach the questions raised, carefully and productively, not on finding the most elegant or definitive answers thereto.

Note: Open to Freshmen only.

Prerequisite: Introductory differential and integral calculus, and high school physics.

***Freshman Seminar 21j. Human Evolution**

Catalog Number: 0746 Enrollment: Limited to 12.

David Pilbeam

Half course (fall term). Tu., 1:30–3:30.

Explores major transitions in human biological history: divergence of human lineage from that of chimpanzees about seven million years ago; diversification of bipedal apes early in period; emergence of our genus around two million years ago; and final appearance, very late in evolutionary story, of our species. Investigates what happened and why. The "what happened" involves review of evolutionary relationships; the "why" explores more general aspects of evolutionary biology and the causes of evolutionary change.

Note: Open to Freshmen only.

***Freshman Seminar 21m. Evolution on the Wing: The Butterflies and Moths - (New Course)**

Catalog Number: 6077 Enrollment: Limited to 12.

Michael R. Canfield

Half course (fall term). Th., 1–3.

Explores evolutionary biology using examples from 180,000 species of butterflies and moths. How species demonstrate evolution of plant-pollinator interactions, aposematism, herbivory, parasitism, morphological adaptation, phenotypic plasticity. Why are there so many species of butterflies and moths but so few mammal species? How have interactions with plants affected evolution of this group? Why have some species become pests while others are flagships for conservation? Why are butterflies pretty while most moths are dull?

Note: Open to Freshmen only.

***Freshman Seminar 21o. The Neurophysiology of Visual Perception**

Catalog Number: 7584 Enrollment: Limited to 12.

David H. Hubel (Medical School)

Half course (fall term). Tu., 1:30–3:30.

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 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, and



depth, and considers the bearing of these on art.

Note: Open to Freshmen only. Meets at the Medical School.

***Freshman Seminar 21q. Nature and Imposters: Mimicry and Crypsis - (New Course)**

Catalog Number: 8762 Enrollment: Limited to 12.

Michael R. Canfield

Half course (spring term). Th., 1–3.

Mimicry is the process by which biological organisms imitate one another and their surroundings, whereas crypsis is a special type of mimicry in which plants and animals use that deception to escape notice. Explores the evolution of mimicry using case studies that reveal the range of visual, behavioral, acoustical, and chemical means by which this deception is accomplished. Why have they evolved in certain species and not others?

Note: Open to Freshmen only.

***Freshman Seminar 21s. Germs**

Catalog Number: 2067 Enrollment: Limited to 12.

Ralph Mitchell

Half course (fall term). W., 1–4.

Germs are responsible for the disruption of whole civilizations and for the maintenance of ecological balance on planet. Explores importance of germs as causative agents of disease in humans, animals, and plants and investigates why epidemics occur and the role of germs in the control of the ecological balance on Earth -- how microbes affect the cycling of elements essential for climate control and agricultural productivity. 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 C++ and 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 21v. The Weirdness of Quantum Mechanics - (New Course)**

Catalog Number: 0050 Enrollment: Limited to 12.

Gary J. Feldman

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

Quantum mechanics is a great triumph of 20th-century physics. There is no question that it provides a correct description of nature at its smallest scales. Yet it is weird in two distinct ways. First, it simply makes no sense; its classical interpretation is self-contradictory. Second, it allows phenomena that are otherwise impossible. These phenomena are the closest thing to magic that



we have in science. Nonetheless, these phenomena have been experimentally verified

Note: Open to Freshmen only.

***Freshman Seminar 21x. Galaxies and the Universe**

Catalog Number: 4075 Enrollment: Limited to 12.

John P. Huchra

Half course (spring term). M., 3:15–5:30.

Explores the basic observations that lend support to the current cosmological model, the inflationary hot Big Bang, and we shall discuss the recent observations that indicate that the Universe might even be speeding up. Topics covered include the internal structure and dynamics of galaxies, cosmological models, the determination of the cosmic distance scale, observations of large-scale structure in the universe, quasars, galaxy formation, and the age, size, and fate of the universe.

Note: Open to Freshmen only.

***Freshman Seminar 22e. Molecular Motors: Wizards of the Nanoworld**

Catalog Number: 6565 Enrollment: Limited to 12.

Dudley R. Herschbach

Half course (spring term). Th., 2–4.

Molecular motors function on principles very different from macroscopic machinery; recent research is beginning to elucidate these principles. Molecular motors achieve high efficiency, not by trying to overcome random noise, but by exploiting it. Focuses on prototypical experiments and basic theoretical ideas, stemming chiefly from thermodynamics and elementary probability theory. Devises games or computer simulations to illustrate key notions.

Note: Open to Freshmen only. Prerequisite: High school science and algebra.

***Freshman Seminar 22j. Seeing by Spectroscopy**

Catalog Number: 4039 Enrollment: Limited to 12.

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 22x. Bioluminescence**

Catalog Number: 9569 Enrollment: Limited to 12.

J. Woodland Hastings

Half course (fall term). M., 5–7:30 pm.

Explores bioluminescence through research, literature, specimens, cultures, and in nature; number of luminous species is relatively small and the mechanisms responsible for the light they emit are very different. Its functions may be classed as defense, offense, and communication. Bioluminescence is also a unique molecular marker for investigating and understanding different



basic physiological processes, both cellular and organismic--to answer questions ranging from gene expression and its regulation to enzymology, bioenergetics, physiology, function, ecology, evolution.

Note: Open to Freshmen only. Participants are expected to have a standard high school background in biology, chemistry, and physics.

***Freshman Seminar 22z. Quantitative Methods in Public Policy Decisions**

Catalog Number: 8839 Enrollment: Limited to 12.

Richard Wilson

Half course (fall term). W., 2–5.

Applies scientifically quantitative methods to understanding problems of general public concern; scientists' role in understanding diverse problems of the environment, pollution, and public health. The issues studied comprise general area called "Risk Assessment," being made increasingly relevant by presidential orders and agency actions. Prepares a report to real or imagined decision maker. Intended primarily for students in sciences who want to apply their scientific and numerical abilities to the quantitative understanding of environmental issues.

Note: Open to Freshmen only. Visits to outside facilities may be arranged if they appear to be helpful.

***Freshman Seminar 23g. Darwin's Finches**

Catalog Number: 1902 Enrollment: Limited to 12.

Kathleen Donohue

Half course (spring term). W., 2–5.

The seminar explores evolutionary theory through Darwin's finches. Students study why finches were so important to development of evolutionary theory and how they are still being used to test fundamental hypotheses of evolutionary biology today. The finches provide a unique opportunity to study diverse evolutionary questions and techniques within single, fascinating natural-history framework. Readings will include original material from Darwin, Melville, Lack, and the Grants and supplementary background reading from current sources.

Note: Open to Freshmen only.

***Freshman Seminar 23j. Chess and Mathematics**

Catalog Number: 5445 Enrollment: Limited to 12.

Noam D. Elkies

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

How many knight's tours of the chessboard are there? What does a "strong move" or "slight advantage" mean in a game that must end with a win, loss, or draw? Explores interface between chess problems and puzzles on the one hand, and mathematical theory and computation on the other. Uses chess puzzles to illustrate mathematical concepts and mathematics to understand issues arising from the game and the problem literature of chess.

Note: Open to Freshmen only. Prerequisite: basic competence in the rules of chess, in high-school mathematics, and in the notions of algorithms and computer programming; and each student should have a more advanced background in at least one of these three spheres.

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***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 literary and journalistic dimensions of medical writing from Tolstoy to Anne Fadiman as well as newspapers and periodicals. Studies mainstream medical journalists and also so called alternative medical writers such as Andrew Weil. Work with different forms of medical writing.

Note: Open to Freshmen only.

***Freshman Seminar 23z. A Short History of DNA**

Catalog Number: 6423 Enrollment: Limited to 12.

Roberto G. Kolter (Medical School)

Half course (fall term). W., 3–5.

Discoveries surrounding the structure and function of DNA have revolutionized the life sciences in the 20th century. Reads and discusses key writings that present and analyze the developments that led from the first indications that DNA was the genetic material, to the elucidation of the structure of DNA, to the sequencing of complete genomes. Discusses not only the scientific advances but also the personalities involved and how they influenced the development of this new knowledge.

Note: Open to Freshmen only.

***Freshman Seminar 24e. The Physics and Applied Physics Freshman Research Laboratory**

Catalog Number: 3573 Enrollment: Limited to 12.

Jene A. Golovchenko

Half course (fall term). M., W., 3–5. EXAM GROUP: 8, 9

Exposes students considering careers in science or engineering to environment of modern research laboratory. Research teams construct, perform, analyze, and report on cutting-edge experiments in physical, engineering, and biological sciences. Projects provide insight into the mathematical, mechanical, electronic, chemical, computational, and organizational tools and skills that characterize modern experimental science. Past projects focused on atomic, nuclear, and solid state physics, materials science, dynamical systems and biophysical science. Projects highlight both team and individual effort.

Note: Open to Freshmen only.

***Freshman Seminar 24j. Planets Around Other Stars**

Catalog Number: 2697 Enrollment: Limited to 12.

Myron Lecar

Half course (fall term). Tu., 4:30–6:30.

Our solar system has four rocky planets, two gas giants and two ice giants. One of the rocky planets has life. More than 160 planets, mostly gas giants, have been discovered orbiting other stars. Current thinking suggests that they should be accompanied by rocky planets, too small to be detected by current techniques. This seminar explores the physics of the formation of rocky



planets, and reviews current speculations on the origin of life.

Note: Open to Freshmen only. Prerequisites: AP high-school Physics and Calculus.

***Freshman Seminar 24n. Child Health in America**

Catalog Number: 6367 Enrollment: Limited to 12.

Judith Palfrey (Medical School)

Half course (fall term). M., 4–6.

Reviews history of children's health care in the United States; explores impact of geography, environment, nutrition, clean water, as well as scientific discoveries of late 19th and early 20th centuries and 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 24t. Exploring Mars**

Catalog Number: 6360 Enrollment: Limited to 12.

Sarah Stewart-Mukhopadhyay

Half course (spring term). W., 3–5.

Investigates geologic history of Mars through study of spacecraft data. Using global topography and imagery data, examines and characterizes ancient oceans, valley networks, impact craters, young gullies, seasonal snow, and the polar ice caps in order to test hypotheses about the evolution of Mars. Introduces the major concepts of how water modifies a landscape and how the global hydrological cycle has changed over time.

Note: Open to Freshmen only.

Prerequisite: Designed for prospective concentrators in the physical sciences. A solid grounding in high school physics and pre-calculus mathematics is expected.

***Freshman Seminar 24y. Pharmaceuticals and Global Health**

Catalog Number: 8729 Enrollment: Limited to 12.

Michael R. Reich (Public Health)

Half course (fall term). M., 4:30–6:30.

When do good medicines get to poor people in poor countries? Explores many public policy issues related to pharmaceuticals and global health. Analyzes debate over access to medicines in developing countries with an introduction to global health policy. Examines role of medicines in health improvement, the concept of essential drugs, the global market for pharmaceuticals, the processes of drug development, the roles of patent and price policies, international trade agreements, and efforts to address neglected diseases.

Note: Open to Freshmen only.

***Freshman Seminar 24z. The Hidden Universe: Dark Matter, Dark Energy, and Extra Dimensions**

Catalog Number: 9264 Enrollment: Limited to 12.

Christopher Stubbs

Half course (spring term). W., 3–5.

Explores three areas: the nature and distribution of the "dark matter;" recent observation that the



expansion rate of the cosmos seems to be increasing; finally, the physics community has recently engaged in serious speculation about the dimensionality of space, and many consider it likely there are "hidden dimensions." Investigates the more exotic (and in some cases, speculative) aspects of the Universe we inhabit.

Note: Open to Freshmen only.

***Freshman Seminar 25g. The Impact of Infectious Diseases on History and Society**

Catalog Number: 8075 Enrollment: Limited to 12.

Donald A. Goldmann (Medical School, Public Health)

Half course (fall term). Tu., 7–9 pm.

Studies specific, selected infectious diseases, including plague, syphilis, smallpox, tuberculosis, cholera, yellow fever, and influenza. Investigates how the epidemiology of these diseases, and society's response to them, inform recent experience with epidemic infection; Assesses the potential impact of future threats. Diseases have led to stigmatization, prejudice, quarantine, and restricted freedom. But diseases have also spurred discovery, elucidation of their properties, development of vaccines and antimicrobial agents, and advancements in public health methods and infrastructure.

Note: Open to Freshmen only.

***Freshman Seminar 25k. You Are What You Eat**

Catalog Number: 3913 Enrollment: Limited to 12.

Karin B. Michels (Public Health, Medical School)

Half course (fall term). M., 4–6.

What does food do to bodies? What does a healthy diet entails? 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 decade.

Note: Open to Freshmen only.

***Freshman Seminar 25m. What Epidemics Mean: Infectious Diseases in a Social Context**

Catalog Number: 2320 Enrollment: Limited to 12.

Megan Blanche Murray (School of Public Health)

Half course (spring term). Tu., 3:30–5:30.

Focuses on use of term in both fiction and non-fiction. Explores social meanings of epidemic disease: historical settings, responses of societies and governments. Impact on public health response in past and legacy for future. Readings: Camus' *The Plague*, Saramago's *Blindness*, DeFoe's *Journal of a Plague Year*, Rosenberg's *The Cholera Years*, Shilts' *And the Band Played On*, and Reichman's *Timebomb*. Case study on South Africa's response to AIDS.

***Freshman Seminar 25n. Understanding Psychological Development, Disorder and Treatment: Learning through Literature and Research - (New Course)**

Catalog Number: 9589 Enrollment: Limited to 12.

Nancy Rappaport (Medical School)

Half course (fall 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 observations and texts that provide practical knowledge, narrative readings to understand how patients experience the meaning of illness, and portrayals of development-related mental illness in the press. Explores need to understand fundamental needs for tenderness, holding, and making meaning. Examines the resourcefulness required for both fragility and resiliency.

Note: Open to Freshmen only.

***Freshman Seminar 25p. Neurotoxicology: Biological Effects of Environmental Poisons**

Catalog Number: 1838 Enrollment: Limited to 12.

S. Allen Counter (Medical School)

Half course (fall term). Tu., 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, mercury poisoning, PCBs. Investigates neurophysiology and neurochemistry of a number of other neurotoxins, including nerve gas, tetrodotoxin, saxitoxin, botulinum, and curare. What dangers do we face at home and at work? What can or should be done about these?

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 now infected or killed more than sixty million people, about two-thirds of current infections are in sub-Saharan Africa. African infection rates remain very high and few patients receive life-saving treatment. Explores dimensions of AIDS in Africa ranging from evolution of HIV and pathobiology of AIDS to epidemiology of HIV and options for prevention of infection and treatment of disease. Encourages multidisciplinary approach to problem, country-specific examples to illustrate 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). Tu., 2–4.

In 1939 realization that atomic nuclei can undergo fission arrived as a surprise. Traces some of the history leading to discovery of nucleus and determination of nuclear 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 25v. Avian Influenza: Emerging Infectious Disease - (New Course)**

Catalog Number: 4807 Enrollment: Limited to 14.

Tun-Hou Lee (Public Health) and Myron Essex (Public Health)

Half course (spring term). Tu., 3–5.

Even though the number of people infected by avian flu is still small, the high mortality rate observed has raised the prospect that millions of people may die if avian flu ever becomes a global pandemic. Explores how avian influenza viruses gain their ability to infect different hosts and investigates the strategies needed to deal with an avian flu pandemic. Readings will include texts and journal literature.

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). Tu., 7–9 pm.

Explores philosophical and legal bases of the concept of individual responsibility as applied in 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 12.

Donald B. Giddon (Medical School), Professor of Developmental Biology

Half course (fall term). W., 2–4.

Psychological, social, and economic factors play important role in cause, prevention, and access to care for illness. Studies interaction of host, agent, or disease vector and the physical and social environment in disease process and biobehavioral bases of health and disease. What psychological, social, and economic factors influence cognitive, affective/physiological, and behavioral responses to disease? What factors are stressful for given individuals? Why is a particular body organ or system the target of stress?

Note: Open to Freshmen only. May meet at the Medical School.

***Freshman Seminar 26j. The Universe's Hidden Dimensions**

Catalog Number: 7529 Enrollment: Limited to 12.

Lisa Randall

Half course (fall term). M., 3–5.

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 26k. Euclidean Lattices and Sphere Packings - (New Course)**

Catalog Number: 4047 Enrollment: Limited to 12.

Benedict H. Gross

Half course (spring term). M., 2–4.

Explores the problem of placing spheres of the same radius in a regular way in Euclidean space of dimension n . What is the largest amount of space that can be packed inside the spheres? In applications, the cases $n=2, 3$ are the most important. For mathematicians, the really interesting sphere packings occur in dimensions $n=4, 8, 12, 16$, and 24 . Tours Euclidean space of higher dimensions, computes the volume of an n -ball of radius 1, and discusses the theory of lattices.

Note: Open to Freshmen only.

Prerequisite: Strong high school background in mathematics (including calculus).

***Freshman Seminar 26m. Human Development: Early Experience and Developmental Programming - (New Course)**

Catalog Number: 7084 Enrollment: Limited to 12.

Charles A. Nelson (Medical School)

Half course (spring term). W., 1–3.

Explores developmental programming and early experience as causative mechanisms in the course of human development, with a particular focus 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 perhaps even interviewing relevant experts on campus. Reviews current knowledge; discusses desirable research.

Note: Open to Freshmen only.

***Freshman Seminar 26n. Electronic Transactions: Better Decisions through Economic and Computational Thinking - (New Course)**

Catalog Number: 6884 Enrollment: Limited to 12.

David C. Parkes

Half course (fall term). Th., 1–4.

A transaction is an agreement. Electronic transactions can promote efficient systems and efficient markets. Studies interplay between economic thinking and computational thinking as it relates to the design of infrastructure to promote better decisions. Economics provides means to reason about the incentives of stakeholders and participants. Computer science provides means to reason about the practicalities of representing, communicating and processing information. Topics include electronic auctions, automated negotiation, information markets and spam e-mail.

Note: Open to Freshmen only.

[*Freshman Seminar 26o. Superconductivity] - (New Course)

Catalog Number: 9301 Enrollment: Limited to 12.

Michael Tinkham

Half course (spring term). Th., 2–4.

Follows historical approach extending from original discovery of superconductivity to the present time, illuminating the growing understanding and applications of the phenomenon. Presents superconductivity as a macroscopic quantum state of "Cooper pairs." Why do only certain metals superconduct and at what temperature? How can the limiting current and magnetic



field values be increased? Discusses successive developments, both of scientific concepts and of practical applications such as MRI magnets for medical diagnosis and ultrasensitive quantum detectors.

Note: Expected to be given in 2007–08. Open to Freshmen only.

Prerequisite: Advanced Placement in Mathematics and Physics or the equivalent.

***Freshman Seminar 26p. The Scientific Study of Consciousness - (New Course)**

Catalog Number: 8925 Enrollment: Limited to 12.

Ken Nakayama

Half course (fall term). Tu., 6:30–8:30 p.m.

What is consciousness? What is its function in biological organisms? What are the neural correlates of consciousness? In the discussion of these questions, topics related to the anatomical and physiological substrates of visual perception will be emphasized since it is in these that the sought-after connection between awareness and neural activity has been the most vigorously pursued. Reading will include historical material, textbook chapters and contemporary articles in neuroscience and psychology.

Note: Open to Freshmen only.

***Freshman Seminar 26q. Testosterone and Human Behavior - (New Course)**

Catalog Number: 2615 Enrollment: Limited to 12.

Judith F. Chapman

Half course (fall term). Th., 3–5.

Explores 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 sex reassignment, investigated. Studies organization effects of testosterone early in human development; subsequent seminar work will parallel student interest. Participants to develop a research interest.

Note: Open to Freshmen only.

[*Freshman Seminar 30i. The Tale of Genji in Word and Image] - (New Course)

Catalog Number: 3920 Enrollment: Limited to 12.

Melissa M. McCormick

Half course (spring term). Th., 2–4.

Provides thorough introduction in translation, undertaking close readings in tandem with analyses of plot, characterization, and modes of narration. The Tale of Genji evokes pageantry and complex interpersonal dynamics of court culture in 10th-century Japan and is part of history's greatest tradition of women's literature. Examines Genji's afterlife in Japanese cultural history, special emphasis on pictorialization in hand scrolls and painting albums. Introduces disciplines of literature, East Asian studies, art history.

Note: Expected to be given in 2007–08. Expected to be omitted in 2008–09. Open to Freshmen only. This course is now being offered as Japanese Literature 124

***Freshman Seminar 30o. What is College and What is It For?**

Catalog Number: 1897 Enrollment: Limited to 12.

Paul J. Barreira (Medical School) and James N. Mancall



Half course (spring term). W., 3–5.

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 30p. The Literatures of War - (New Course)**

Catalog Number: 9426 Enrollment: Limited to 12.

David McCann

Half course (spring term). W., 3–5.

Studies essays, poems, and prose narrative works from World War I, Spanish Civil War, World War II, and Korean War. Horror of modern, mechanized warfare was accompanied by appearance of ironic voice as defining feature of 20th-century literature. Studies literature connected to Spanish Civil War, World War II, and Korean War. How have more recent wars been described in literature or been reported? What insights does the study of the literatures of war provide?

Note: Open to Freshmen only.

***Freshman Seminar 30w. New York Intellectuals: An Episode in the History of American Thought - (New Course)**

Catalog Number: 8072 Enrollment: Limited to 12.

John Summers

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Examines social and political thought of four New York Intellectuals: C. Wright Mills, Daniel Bell, Lionel Trilling, and Richard Hofstadter--two sociologists, a literary critic, and a historian, respectively. They gave differing answers to an old set of questions: What is the relationship between politics and ideas? Does democracy promote cultural excellence, or does it inhibit the full flourishing of the mind? What do intellectuals owe society and state? What is a public intellectual?

***Freshman Seminar 30z. From Russia with Love**

Catalog Number: 8535 Enrollment: Limited to 12.

Cole M. Crittenden

Half course (fall term). W., 2–4.

Discusses how love stories fit into a Russian prose tradition known for long, serious, ideological novels. Explores literature from the late 18th century, when secular prose became a major cultural force, to the early 20th century, when political changes dramatically altered the development of Russian literature. Focuses on short stories and novellas by major Russian writers who take up the theme of romantic love. These writers include Pushkin, Gogol, Dostoevsky, Turgenev, Tolstoy, Chekhov, and Bunin.

Note: Open to Freshmen only.



***Freshman Seminar 31e. Chronicles of the Tyrants: The Dictator and the Novel - (New Course)**

Catalog Number: 7543 Enrollment: Limited to 12.

Jonathan H. Bolton

Half course (spring term). Tu., 2–4.

Representations of absolute power and those who wield it, from Greek and Roman philosophy through 20th century dictator novels of Latin America and Central Europe. What can literature teach us about tyranny and the loathing and loyalty it inspires? How do narrative treatments of power undermine it—or reinforce it—sometimes against the author’s will? Readings from Orwell, Nabokov, Garcia Marquez, Vargas Llosa, Julian Barnes, and theories of narrative and power (Plato, Foucault, Bakhtin).

Note: Open to Freshmen only.

***Freshman Seminar 31g. The Pleasures of Japanese Poetry: Reading, Writing, and Translation - (New Course)**

Catalog Number: 1645 Enrollment: Limited to 12.

Edwin A. Cranston

Half course (fall term). W., 2–5.

Reads classical waka, its modern descendant the tanka, examples of linked verse (renga) and modern poems in free and prose-poem forms. (And haiku too!) Focuses on themes such as desire, renunciation, time, memory, war, death, sorrow, and receptivity. Students keep a diary of their encounters with the new poetry, practice the art of sequencing, and make their own translations based on literal renderings and explanations of Japanese originals. All readings will be in English.

Note: Open to Freshmen only.

***Freshman Seminar 31j. Skepticism and Knowledge - (New Course)**

Catalog Number: 9760 Enrollment: Limited to 12.

Catherine Z. Elgin (School of Education)

Half course (fall term). Tu., 1–3.

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 the Louisiana Purchase occurred in 1803, that $E=MC^2$, that Hamlet is better than Harry Potter, or 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 31k. The Study of a Neighborhood - (New Course)**

Catalog Number: 3559 Enrollment: Limited to 12.

Alfred F. Guzzetti

Half course (fall term). Tu., Th., 1–4.

Documents life and history of small neighborhood using video, still photography, audio recording. Members of seminar will photograph people, houses, and public spaces, record conversations with residents about their life histories, and make short video documentaries on institutions such as schools, public facilities, and churches. The result will take form either of DVD or exhibition -- perhaps in the neighborhood itself. Studies films and books as models for



the project and sources of critical reflection.

Note: Open to Freshmen only. The seminar will meet twice a week.

Prerequisite: Prior experience with photography, audio, and video desirable but not essential.

***Freshman Seminar 31n. Beauty and Christianity - (New Course)**

Catalog Number: 4682 Enrollment: Limited to 12.

Robert J. Kiely

Half course (fall term). W., 2–4.

Jesus has inspired great works of art, literature, and music, but Christians have not always agreed on the function of beauty. This seminar will consider Christian aesthetics, art (Fra Angelico and Tintoretto), and music (Bach and spirituals), but the focus will be on literary works of St. Francis, Dante, Herbert, Hopkins, Melville, Eliot, and O'Connor. The abiding question will be: In what ways does aesthetic form-- beauty-- enhance, qualify, complicate, or obscure the gospel?

Note: Open to Freshmen only.

***Freshman Seminar 31o. Negotiating Identity in Postcolonial Francophone Africa and the Caribbean - (New Course)**

Catalog Number: 6293 Enrollment: Limited to 12.

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 31p. How to Look at Paintings - (New Course)**

Catalog Number: 5329 Enrollment: Limited to 12.

Amelie Rorty (Yale University)

Half course (spring term). W., 2–4.

How are ideas visually expressed? How do formal, technical, and symbolic aspects of paintings indicate interpretations of their content? How do they affect the responses of viewers? Using case studies from Giotto to Picasso, with historical and contemporary critical commentaries, we analyze the way painters enter into visual dialogues with their predecessors and contemporaries, forming and transforming the craft of painting as a mode of conveying meaning.

Note: Open to Freshmen only.

***Freshman Seminar 31q. Nation, Empire, and Literature - (New Course)**

Catalog Number: 2470 Enrollment: Limited to 12.

Edyta M. Bojanowska

Half course (spring term). W., 2–4.

Examines the connection between nationalism and imperialism in 19th century British, Russian, and American fiction. Authors include Austen, Kipling, Dostoevsky, Tolstoy, Twain, and Cooper. How do these authors' works construct identities and stereotypes, "imagined communities," and fictional geographies? How do they investigate the moral, political, and



narrative implications of imperial encounters? How do they elaborate and question the ideologies of nationalism and imperialism?

Note: Open to Freshmen only.

***Freshman Seminar 32j. Who Is a Jew? Jewish Identity and Identifiability in the Modern World**

Catalog Number: 6991 Enrollment: Limited to 12.

Shaye J.D. Cohen

Half course (fall term). Th., 1–3.

Studies diverse modes of Jewishness, their historical origins and their contemporary manifestations, in an attempt to answer above question. Focus on Jews and Jewishness in United States; considers relevant issues in Israel. Investigates ethnic Jews, cultural Jews, offspring of intermarriage, apostates, converts, Black Jews of Ethiopia, and other categories that challenge standard definitions of Jewishness. Notes problem of Jewish identity in the American context closely parallels the identity problems of other hyphenated American groups.

Note: Open to Freshmen only.

***Freshman Seminar 32k. The Poetry of Walt Whitman**

Catalog Number: 2864 Enrollment: Limited to 12.

Helen Vendler

Half course (fall term). M., 3–5.

Interprets Whitman as contributor to a self-consciously nationalist literary program, as an inheritor of English verse, as a creator of a single, lifelong book, and as a poet of homosexual affection. Explores what one learns by reading chronologically much of the work of a single poet. Investigates Whitman's Americanization of lyric genres, the speaking self in the poems, Whitmanian sequences, catalogues, forms of inception and closure, prosody, and architectonic structures.

Note: Open to Freshmen only.

***Freshman Seminar 32m. Fantastic Families: Kinship and Science Fiction - (New Course)**

Catalog Number: 5788 Enrollment: Limited to 12.

Jacob M. Emery

Half course (spring term). M., 2–5.

Explores range of futuristic kinship systems from European and American fantastic literature. Poses basic questions about what families are and why literature is concerned with them through involved reading of texts that interrogate the definition of family and propose transformed versions of it. Throughout attention to connections between social forms, forms of the family, and literary form.

Note: Open to Freshmen only.

***Freshman Seminar 32o. The Folklore of Ireland**

Catalog Number: 5673 Enrollment: Limited to 12.

Barbara L. Hillers

Half course (spring term). W., 2–4:30.

Explores Irish oral literature and its place in the community. In spite of the material hardship of their existence, the men and women farming the west of Ireland could tell wondertales of great



beauty and magic, sing scores of songs, and had a proverb, anecdote, or repartee for every occasion. Introduces students to the most important genres of Irish folklore, and to the critical tools and interpretive methods available to discuss and understand oral literature.

Note: Open to Freshmen only.

***Freshman Seminar 32q. Imagining the Classical and Modern Mediterranean - (New Course)**

Catalog Number: 6552 Enrollment: Limited to 12.

Panagiotis Roilos

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

Explores construction of the imaginary of Mediterranean culture and landscape in indigenous as well as in Western European and American cultural discourses. Literary perceptions and fictionalizations of the Mediterranean, especially Greece and Rome, as the idealized origin of Western culture are investigated. Emphasis on the Mediterranean as aesthetic or exotic topos of the classical past and on its contribution to the formation of aspects of European culture, especially from late 18th century to modernism.

Note: Open to Freshmen only.

***Freshman Seminar 32v. The Art of the Storytelling - (New Course)**

Catalog Number: 7011 Enrollment: Limited to 12.

Deborah D. Foster

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

Men and women tell stories to express the values found in experiences of everyday life. Based on storytelling traditions, each narrator shapes the story to reflect his or her own intentions, making it personally expressive as well as publicly meaningful to a particular audience. Examines the nature of storytelling, its enduring appeal, and its ability to adapt to multiple new technologies (print, film, internet). Participants will engage in the storytelling process itself.

Note: Open to Freshmen only.

Freshman Seminar 32y. Goethe's *Faust

Catalog Number: 0139 Enrollment: Limited to 12.

Karl S. Guthke

Half course (fall term). M., 2–4.

Raises "universal issues" and problems of "perennial philosophy;" introduces question "What does it mean to be human?" Close reading and critical discussion of *Faust* in context of cultural and intellectual history, with attention to major interpretive controversies over such issues as the power of evil, the significance of human relationships, the pursuit of happiness, the cult of self-realization versus social altruism, the role of the transcendental, and ethics versus "beyond good and evil."

Note: Open to Freshmen only. All reading will be in English.

***Freshman Seminar 33k. Representing Whiteness: Ethnic American Writers Return the Gaze - (New Course)**

Catalog Number: 5834 Enrollment: Limited to 12.

Kimberly C. Davis

Half course (spring term). Th., 1–4; M., 7–9:30 p.m.; M., 7–9:30 p.m.; M., 7–9:30 p.m.; M., 7–



9:30 p.m.; M., 7–9:30 p.m.

Makes visible a racial category masked by a rhetoric of invisibility and "colorlessness" and sheds light on particularity of a racialized culture falsely perceived as universal. The social construction of whiteness is the focus of investigation; examined through literature and film written and produced by African-Americans, Native Americans, and Asian-Americans who depict whites as the "other" and the "stranger." To provide context, studies the formation of white identity in the United States.

Note: Open to Freshmen only.

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 34q. Languages of the Body: Physiognomy, Phrenology, and Hysteria in Western History and Literature - (New Course)**

Catalog Number: 5429 Enrollment: Limited to 12.

Sharrona Pearl

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

Explores ways in which the invisible "internal" of personality and behavior has been seen to mark the body in historical, literary, and visual representations. Starts with the doctrine of maternal impressions; moves to doctrines of bodily marking in physiognomy, phrenology, and eugenics. Discusses relationship between the biologically-informed approach and the biographically-based theories of Sigmund Freud. Ends with a gendered analysis of hysteria and shell-shock in the First World War.

Note: Open to Freshmen only.

***Freshman Seminar 34x. Language and Prehistory**

Catalog Number: 9905 Enrollment: Limited to 12.

Jay Jasanoff

Half course (fall term). M., 2–5.

Explores use and misuse of linguistic evidence. The 19th-century identification of the Indo-European language family misled some intellectuals to posit the now rejected idea of a genetically and culturally superior Aryan "race." Linguistic evidence still plays an important role in prehistoric studies. What does the relationship between two languages reveal about their speakers? How can genuine cases of linguistic borrowing or "influence" be distinguished from resemblances that come about through pure chance?

Note: Open to Freshmen only.



[*Freshman Seminar 35k. Fiction and the Courtroom] - (New Course)

Catalog Number: 7006 Enrollment: Limited to 12.

Laura K. Johnson

Half course (spring term). W., 2–4.

Draws on a broad range of materials to situate complex exchanges between American literature and American law within their historical framework. Investigates four related areas of study: the trial as a literary device, the relationship between fictional trials and their social contexts, the use of fiction as evidence, and the role of narrative in the courtroom. Adultery and murder are recurring crimes in the body of literature studied, and they will provide our thematic foci.

Note: Expected to be given in 2008–09. Open to Freshmen only.

***Freshman Seminar 35s. Roman Art and Society**

Catalog Number: 5198 Enrollment: Limited to 12.

Rabun Taylor

Half course (spring term). F., 1–4.

To the aristocratic connoisseur just as to the slave serving him dinner, to the gladiator and to his patroness, Roman visual representation evoked a complex and vibrant society. This course addresses a diverse array of artworks on a number of major themes: politics and ideology, portraits and personal identity, death and commemoration, roles and status of women, sexuality and eroticism, life in private sphere, urban spectacle, religion, and public bathing.

Note: Open to Freshmen only.

***Freshman Seminar 35w. Language, Sex, and Culture**

Catalog Number: 2788 Enrollment: Limited to 12.

Sue Brown

Half course (spring term). W., 2–5.

Cross-cultural perspective, compares language use in US with other parts of the world with focus on differences in pronunciation, vocabulary choice, and/or communicative style that serve as social markers of sexual identity and differentiation within these cultures. Do males and females use language differently? How do language differences, where they exist, contribute to the social construction of gender difference? What factors besides gender lead to language differentiation, and how do they interact with gender?

Note: Open to Freshmen only.

***Freshman Seminar 36i. First Encounters - (New Course)**

Catalog Number: 3878 Enrollment: Limited to 12.

Stephen J. Greenblatt

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

Studies encounters with radically new experiences and peoples. What rhetorical and conceptual means were developed to process, verify, and convey disturbingly unfamiliar and challenging perceptions? What happens when sharply different assumptions about the natural and social world come into conflict? What are the most successful--and the most disastrous--techniques for encountering otherness and negotiating the new? Includes attention to paintings, photographs, novels, and films, as well as the analysis of histories and eyewitness reports.

Note: Open to Freshmen only.



***Freshman Seminar 36j. The Rural Other: Peasants in the Literary Imagination - (New Course)**

Catalog Number: 6749 Enrollment: Limited to 12.

George G. Grabowicz

Half course (spring term). M., 1–3:30.

Examines depiction of the peasant, of rural life, and of "the folk" in works of major 19th- and 20th-century writers. What is the nature of peasant society and peasant life? Why has it attracted and repelled the modern sensibility? Why has the contrast of urban and rural life become, in Eastern and Western European literatures, a touchstone for defining fundamental moral, social, and political issues? Reading includes George Sand, Thomas Hardy, Turgenev, Verga, and Zola.

Note: Open to Freshmen only.

***Freshman Seminar 36l. A Cultural History of the Banana - (New Course)**

Catalog Number: 1347 Enrollment: Limited to 12.

Amy L. Spellacy

Half course (fall term). W., 3–5.

Considers how the banana industry has historically functioned as a site of U.S.-Latin American interaction that exposes tensions between the United States and its southern neighbors. Examines how the banana came to be a staple in America, investigates political and economic issues, analyzes the ways that bananas have shaped cultural texts in the United States and Latin America, focusing primarily on the twentieth century, using texts, films, and advertising.

Note: Open to Freshmen only.

***Freshman Seminar 36m. Noisy Art - (New Course)**

Catalog Number: 2611 Enrollment: Limited to 12.

Damon Krukowski (Visual and Environmental Studies)

Half course (spring term). M., 3–5.

This seminar examines the history and poetics of the noisy artwork, and -- as a collective studio project -- explores making art from noise. Beginning with John Cage's influential composition class taught in the late 1950s, we consider the poetics of sound introduced by Cage to the generation of artists who would develop Fluxus, Pop, and Conceptual art. The final project is a group performance in the Carpenter Center. No formal musical background required.

***Freshman Seminar 36q. Art Worlds: Methods in Global Visual Study - (New Course)**

Catalog Number: 4749 Enrollment: Limited to 12.

Suzanne P. Blier

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

Investigates considerations that result from different approaches to art within art history and ethnography. How does each discipline address local perspectives on art? Approaches: historical, comparative museum study, market factors, differential journal analysis, web based study, global-local critique, mapping strategies. Provides basic understanding of global art forms under consideration, different disciplinary aspects of study, and of core questions important to understanding of cultures, societies, and their critical forms of visual engagement.

Note: Open to Freshmen only.



***Freshman Seminar 36v. Boston: Stop, Look, and Listen - (New Course)**

Catalog Number: 9921 Enrollment: Limited to 12.

Kay Kaufman Shelemay and Carol J. Oja

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

This seminar explores a cross-section of dynamic soundscapes in the diverse and distinctive communities of greater Boston, ranging from ethnic communities across the city to the worlds of classical and folk music. Designed to be hands-on and experiential, the seminar guides students in fusing archival and ethnographic research techniques to study both living traditions and historic musical institutions.

Note: Open to Freshmen only.

[*Freshman Seminar 36w. Tribal Memories: Myth, Epic, and History]

Catalog Number: 7842 Enrollment: Limited to 12.

P. Oktor Skjaervo

Half course (spring term). Th., 3–5.

Investigates the oral traditions of the ancient Iranians in perspective of those of the Indians, Greeks, and Norsemen. Studies each culture's beliefs concerning the history of the world from its creation. Relationship among history, myth, and epic in ancient oral traditions. How can myths and traditions provide historical information? Compares and contrasts the historical figure of Zarathustra in the "historical" traditions of the Middle East with Zarathustra as a Western scholarly myth.

Note: Expected to be given in 2007–08. Open to Freshmen only.

***Freshman Seminar 36z. Utopia and Anti-Utopia**

Catalog Number: 6375 Enrollment: Limited to 12.

Francis Abiola Irele

Half course (fall term). W., 4–6.

Explores utopian ideal as embodied in literary, intellectual, and ideological texts. Highlights ambiguities that promise human fulfillment but have led to misery. Focuses on "the dilemma of modernity." Readings range from Hesiod's "Works and Days" in Theogony, Works and Days, Plato's Republic to Whitman's Song of Myself and Marx and Engels' The Communist Manifesto to Orwell's Homage to Catalonia, Eugene Zamiatin's We, Kafka's The Trial, Margaret Atwood's The Handmaid's Tale, and Toni Morrison's Paradise.

Note: Open to Freshmen only.

***Freshman Seminar 37t. Poems, Films, States of Mind**

Catalog Number: 3252 Enrollment: Limited to 12.

Stephanie Sandler

Half course (fall term). Tu., 1:30–4. EXAM GROUP: 15, 16, 17

Can stories render full range of emotions? Are there feelings that stories cannot reach? Explores the tension between emotions and storytelling. Concentrates on emotions of fear, loss, and rapture, tracing them through two art forms, cinema and lyric poetry, that have potential to resist lure of narrative. Reads case histories and essays by psychoanalysts, and explores in them the pleasures and dangers of telling a story.

Note: Open to Freshmen only.



***Freshman Seminar 37z. The Moral Virtues: Socrates and His Critics**

Catalog Number: 1725 Enrollment: Limited to 12.

Amelie Rorty (Yale University)

Half course (fall term). Tu., 2–4.

Plato's early "Socratic" dialogues on: piety, friendship, self-knowledge, sex, art and censorship, whether virtue can be taught and whether might makes right. Students engage in dialogues between "Socrates" and authors whose views contrast with those of Socrates (e.g. Kierkegaard, Freud, Durkheim, Kant, Descartes, Oscar Wilde). Visiting Fogg Museum, they will discuss how Plato's Socrates would react to selected artworks. The seminar will re-enact the trial of Socrates. A taste for irony is recommended.

Note: Open to Freshmen only.

***Freshman Seminar 38g. Back to Life: Lost Languages and Decipherment**

Catalog Number: 2671 Enrollment: Limited to 12.

John Huehnergard

Half course (fall term). Th., 3–5.

Hieroglyphs. Cuneiform. The Phoenician alphabet. Examines several decipherments: how scripts have been deciphered, languages decoded, ancient texts and literatures read once again, and cultures brought back to life. Why must so many scripts be deciphered-why have so many scripts and languages died out so completely that they have been forgotten? Why have some scripts such as Etruscan, the Indus Valley script, and the Rongorongo script of Easter Island not yet been deciphered?

Note: Open to Freshmen only.

***Freshman Seminar 38j. Medicine and Literature**

Catalog Number: 0116 Enrollment: Limited to 12.

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 38m. Meeting the Byzantines - (New Course)**

Catalog Number: 0852 Enrollment: Limited to 12.

John Duffy

Half course (spring term). Tu., 2–4.

Byzantium remains for many an alien place, in some respects an imaginary world from a very distant past. The seminar focuses on bringing participants closer to the people of Byzantium, through representative groups and individuals, from emperors to monks, from soldiers to scholars. Who were the architects of St. Sophia? Who fought in the Byzantine armies? How did pagan Greek literature survive in a conservative Christian culture? Who took care of the recording of history?

Note: Open to Freshmen only.



***Freshman Seminar 38p. The Idea of a University**

Catalog Number: 1291 Enrollment: Limited to 12.

Jay M. Harris

Half course (fall term). M., 2–4.

Examines emergence of variegated ideas of the university and the implementation of these ideas in specific social contexts. Studies first European universities in the 12th century, their structure, and what and whom they included and they excluded. Examines rise of modern research university. Explores debates surrounding universities including the relationship between knowledge and moral improvement. Focuses on relationship of ideas of the university and the social and political structures that both support and oppose them.

Note: Open to Freshmen only.

***Freshman Seminar 38t. Beethoven's String Quartets**

Catalog Number: 1651 Enrollment: Limited to 12.

Anne C. Shreffler

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

Composers often reserve their most ambitious and complex thoughts for string quartets; the ensemble can create a homogeneous sound but also has an enormous potential for sonic variety. Beethoven's sixteen quartets span almost his entire creative output and contain the full range of his musical expression. Works from scores, selected recordings, and live performances. Primary focus on participants' interpretations of the works; also reads musical theorists, critics and historians.

Note: Open to Freshmen only.

Prerequisite: Participants should be able to read music (at least treble and bass clef).

***Freshman Seminar 39k. Literature Humanities: The Foundation Texts of the West**

Catalog Number: 0796 Enrollment: Limited to 12.

James R. Russell

Half course (fall term). Tu., Th., 3–5.

Considers the epics, plays, dialogues, and treatises of Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Plato, Aristotle, Thucydides, Virgil, and Apuleius, as well as the Bhagavad Gita, the Gathas of Zarathustra, and the Bible. An intensive encounter with the mainstay of our civilization and the primary great reflections on all aspects of the human condition.

Note: Open to Freshmen only.

***Freshman Seminar 39n. Literature Humanities: Medieval and Modern Classics**

Catalog Number: 1329 Enrollment: Limited to 12.

James R. Russell

Half course (spring term). Tu., Th., 3–5.

Explores autobiographies, novels, essays, and plays by St. Augustine, Al Ghazali, Dante, Montaigne, Shakespeare, Goethe, Jane Austen, Herman Melville, Dostoyevsky, T. S. Eliot, Virginia Woolf, and Mikhail Bulgakov-essential meditations on the human condition in the developed literature of the West. The reading list is demanding.

Note: Open to Freshmen only.



***Freshman Seminar 39p. The Practice of Autobiography**

Catalog Number: 3466 Enrollment: Limited to 12.

Lawrence Buell

Half course (fall term). W., 2–4:30.

Investigates nature, variety, and significance of autobiography as major narrative genre. Explores critical issues such as emphasis on specific turning points in narration of life. Asks questions about reliability, psychology, and art of narrative. Readings include *The Confessions* of St. Augustine, *The Autobiography of Benjamin Franklin*, *The Confessions* of Jean-Jacques Rousseau, Thoreau's *Walden*, *The Narrative of the Life of Frederick Douglass*, Mary Antin's *Promised Land*, *The Education of Henry Adams*, one autobiographical fiction.

Note: Open to Freshmen only.

***Freshman Seminar 39q. Time and Literature 1800-1930 - (New Course)**

Catalog Number: 9794 Enrollment: Limited to 12.

Anna A. Henchman

Half course (fall term). W., 2–5.

Between 1800 and 1930, momentous changes in science and technology forced the re-conception of time in the popular imagination. These developments had contradictory implications for understanding time. What models of time do Victorian and Modernist writers draw on? What happens to the story of a human life in the context of Darwinian or Einsteinian time? Why does Woolf stretch out an ordinary moment for pages and shrink years into the space of a parenthesis?

Note: Open to Freshmen only.

***Freshman Seminar 39v. How to Read Chinese Poetry - (New Course)**

Catalog Number: 9330 Enrollment: Limited to 12.

Xiaofei Tian

Half course (spring term). Th., 2–4.

What is the enduring charm of classical Chinese poems? How do we appreciate and understand them? Introduces classical Chinese poetry, its history, and some of its famous works; explores what it means to write poems in traditional forms today and cultural politics involved. Discusses ways of reading a couplet. Ends with examination of "modern classical poetry"--poetry written in traditional forms in modern times, politics of genre, and cultural meanings of Internet literary/poetic communities.

Note: Open to Freshmen only. No knowledge of Chinese or background in Chinese literature is required.

***Freshman Seminar 39w. The Myth of Love and Self-Discovery**

Catalog Number: 4028 Enrollment: Limited to 12.

Charles W. M. Henebry

Half course (fall term). W., 1–4.

Investigates function of love in construction of identity in Western culture. Love appears as puzzling cause of acts both vicious and noble: readings selected from expanse of Western civilization, from Plato's *Symposium* and the verse of Dante and Petrarch to film classics like *Casablanca* and *The Graduate*. Today love continues to resonate as a spiritual ideal for which heroes are willing to sacrifice everything: money, prestige, family, life. Thus love is a source of



havoc!

Note: Open to Freshmen only.

***Freshman Seminar 40g. 9/11–The Event and the 9/11 Commission Report**

Catalog Number: 4343 Enrollment: Limited to 12.

Ernest R. May

Half course (fall term). W., 4–6.

Explores attacks on 9/11/2001, through eyes of 10 commissioners, 5 Republicans and 5 Democrats, who accepted late in 2002 the assignment of investigating all "facts and circumstances relating to terrorist attacks." Reviews evidence and testimony asking how commissioners reached their conclusions. Topics: origin and character of Islamist extremism; character, cultures, and operations of U.S. law enforcement and intelligence agencies; formulation of national security policy in White House, oversight by Congress and news media.

Note: Open to Freshmen only.

***Freshman Seminar 40l. Theories of Globalization and Development - (New Course)**

Catalog Number: 3705 Enrollment: Limited to 12.

Thomas Ponniah

Half course (spring term). M., 3–6.

This course gives students the opportunity to discuss theories from economics, political science, sociology, anthropology, geography, as well as the popular literature emerging from civil society and social movements. We will look at the theoretical sources that underpin various debates, such as free trade versus fair trade, technological revolution versus ecological risk, modernity versus post-modernity, and anti-globalization versus global justice. Ultimately the course will help students develop their own interdisciplinary understanding of globalization.

***Freshman Seminar 40n. Art, Knowledge, and Faith in Boston's Copley Square, 1870-1900 - (New Course)**

Catalog Number: 7938 Enrollment: Limited to 12.

Christine Smith (Design School)

Half course (fall term). M., 1–4.

Copley Square, Boston's most important public space, took shape during the last quarter of 19th century. Explores what choice of architectural style in the buildings on Copley Square reveals about institutional and civic identity. Situates the Trinity Church and Boston Public Library projects in their particular historical circumstances, and then considers them within broader historical, intellectual, and artistic contexts. Consults maps, museum collections, contemporaneous accounts, and recent historical studies; also visits Copley Square.

Note: Open to Freshmen only

***Freshman Seminar 40p. Law of the Internet**

Catalog Number: 4509 Enrollment: Limited to 12.

John G. Palfrey (Law School)

Half course (fall term). M., 3–5.

Considers intriguing issues to which advent of the internet has given and continues to give rise. Focuses on a cluster of topics about which any computer user likely knows a good deal already: spam, spyware, peer-to-peer file sharing, personal privacy, and e-commerce. Ventures into a few



issues-like blogging, RSS (Really Simple Syndication), social software, and internet filtering-that may be less familiar. Explores law of intellectual property related to the Internet.

Note: Open to Freshmen only.

Prerequisite: A willingness to experiment with new information technologies in a learning environment.

***Freshman Seminar 40x. Disco Decade: The 1970s in America**

Catalog Number: 2008 Enrollment: Limited to 12.

Lisa Szefel

Half course (spring term). Tu., 3–5.

Examines nuts-and-bolts of 1970s, fundamental changes wrought in modern society by such events as Roe v. Wade, presidencies of Nixon, Ford, and Carter, rise of the South in politics and economics, defeat in Vietnam, and malaise at home. Investigates films, television programs, and music to understand how transformations of the decade influenced culture. These, along with political speeches, magazine articles, short stories, and memoirs will be used to understand this watershed decade in American history.

Note: Open to Freshmen only.

***Freshman Seminar 40y. Histories of the US-Mexico Border**

Catalog Number: 0047 Enrollment: Limited to 12.

Rachel St. John

Half course (fall term). W., 3–5.

Explores how questions about national sovereignty, power, and identity have been balanced with bi-national exchange and movement along the U.S.-Mexico border. Uses history of the border as a lens to explore how people use and make sense of the past. Ranging from histories and memoirs to songs and films, course material will introduce a variety of perspectives on the border-past and present, local and national, Mexican and American.

Note: Open to Freshmen only.

***Freshman Seminar 41e. The American Creed: Exceptionalism and Nationalism in Historical Perspective**

Catalog Number: 0058 Enrollment: Limited to 12.

Amy M. Kittelstrom

Half course (fall term). Th., 2–4:30.

Evaluates historical development of the American creed. The basic articles of creed are belief in individual rights, faith in progress, and dedication to the spread of democracy. Explores how the American creed has challenged, straddled, or reified four major concerns for American thinkers: 1. religious/secular divide; 2. problems of race and ethnicity and challenges of multiculturalism to ideas of unified American character; 3. liberal/conservative opposition; 4. role of United States in the World.

Note: Open to Freshmen only.

***Freshman Seminar 41g. The Faces of Human Rights in Latin America: Anthropological Perspectives**

Catalog Number: 0088 Enrollment: Limited to 12.

Theodore Macdonald



Half course (fall term). W., 3–5.

Analyses human rights and the popular movements linked to them in Latin America. Examines how human rights language and legislation have influenced local people and, conversely, how local claims and needs have shaped the interpretation of rights. Case studies from early movements to the present day. Introduces the theoretical, legal, and institutional tools of human rights practice. Emphasizes the understanding of local perspectives in many of the region's widely known human rights cases.

Note: Open to Freshmen only.

***Freshman Seminar 41k. Language and Politics**

Catalog Number: 0091 Enrollment: Limited to 12.

Fred C. Schaffer

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Investigates the multiple roles that language plays in politics and the study of politics. Questions: Can speaking itself be a form of political action? How do literacy and orality affect political organization? Are our political views and conceptualizations shaped by the language we speak? How is language used as weapons of domination and resistance? How can we characterize political discourse in the United States? What, for instance, should we make of the "war on terrorism?"

Note: Open to Freshmen only.

***Freshman Seminar 41n. Trust and Democratic Politics - (New Course)**

Catalog Number: 0805 Enrollment: Limited to 12.

Patti T. Lenard

Half course (fall term). M., 3–5.

Trust is reported to be on the decline across Western countries. Is trust really the panacea for the difficulties faced by contemporary democratic states? Possible roles of trust in politics, especially democratic politics. Examines how classical and modern philosophers have treated trust and related concepts. How can trust be measured? With these tools, investigates trust relations in both the United States and Europe. Sources of trust difficulties: inequality gaps, ethno-cultural diversity, and corruption.

Note: Open to Freshmen only.

***Freshman Seminar 41p. American Presidential Campaigns and Elections 1960–2004: Is the System Broken?**

Catalog Number: 2004 Enrollment: Limited to 12.

Maxine Isaacs

Half course (fall term). Tu., 1–3.

Is the American system of choosing leaders in need of reform or is it fundamentally sound and strong? Perspectives studied: change in presidential campaigns over time; nature and structure of American public opinion about presidential politics and presidency; ways in which the American news media transmit information about issues, campaigns, and elections; and, most importantly, impact of the news upon political behavior and what people actually do with the information received through the media.

Note: Open to Freshmen only.



***Freshman Seminar 41q. Medicine, Ethics, and Culture - (New Course)**

Catalog Number: 8466 Enrollment: Limited to 12.

Stefan Sperling

Half course (fall term). Tu., 1–4.

Investigates how bioethics is culturally and historically contingent, studies how moral and ethical judgments are arrived at communally, and explores sources and validity of moral ideas and convictions. Bioethics claims to speak for universal ethical norms and values; it operates with socially and culturally specific images of human nature, rational action, legal personhood, and the "good life." Explores how Western ideas of bioethics differ among themselves, and with other cultural traditions.

Note: Open to Freshmen only.

***Freshman Seminar 41s. The Confederacy, 1860–1865**

Catalog Number: 2015 Enrollment: Limited to 12.

Elisabeth L. Laskin

Half course (spring term). M., 1–3.

Study of social, political, and military history of the Confederate States of America (1860-1865) permits examination of Southern experiences of secession, self-governance, war, and defeat.

Focus on stress war placed on Southern society, and how these ultimately led to Confederacy's defeat. Considers the ways in which this war and its participants have been remembered.

Addresses the historical origins of ongoing issues such as race relations and the role and power of government in American society.

Note: Open to Freshmen only.

***Freshman Seminar 41t. Classical Political Economy**

Catalog Number: 2077 Enrollment: Limited to 12.

Robert H. Neugeboren

Half course (spring term). W., 1–3.

For students with a wide range of interests in social sciences. Guided reading of the classical political economists. The works of Smith, Mill, and Marx considered as the background for critical discussion of development of modern social science, especially economics. Relate readings to contemporary issues. Students write an extended paper on an area of individual interest: a modern inquiry in the spirit of the classical political economists.

Note: Open to Freshmen only.

***Freshman Seminar 41u. Museums**

Catalog Number: 2910 Enrollment: Limited to 12.

James Hanken

Half course (spring term). Tu., 2–4.

What are museums? Where did they come from? What exactly do they do, and why? Traces history of museums. Considers functions of scholarly research and public display, the mechanics and psychology of exhibit design, legal and ethical issues of collecting and acquisition, and challenges confronting museums and how they likely will fare in the future. Deals with all kinds and sizes of museums from the art museum to the artifact museum.

Note: Open to Freshmen only. Applicants should be free to participate in a possible, longer field trip during Spring Break.



***Freshman Seminar 41w. Public Power, Private Lives: Writing 20th-Century US History as Biography - (New Course)**

Catalog Number: 5932 Enrollment: Limited to 12.

Lizabeth Cohen

Half course (fall term). W., 2–4.

Can biography contribute to serious historical inquiry? How can lives of influential Americans illuminate the 20th century, while still doing justice to the individual? How do literary devices interact with historical interpretation? Do some lives and times lend themselves better than others to this historical and literary challenge? Biographies of individuals ranging from presidents to social activists, scientists to rock and roll stars. Contrast biographies of the same individual, and autobiography to biography.

Note: Open to Freshmen only.

***Freshman Seminar 41x. “This Land is Whose Land?”: Sacred Places and American Law - (New Course)**

Catalog Number: 3891 Enrollment: Limited to 12.

Malinda Maynor Lowery

Half course (fall term). Tu., 2–4.

Investigates American Indian sacred places--national parks, private monuments, shrines, burial grounds (sources of natural, economic, and spiritual power). American legal system sees sacred space in a building but not in nature. How should American Indian sacred places and religious freedom be protected? Roles played by places and law in forming personality and cultural assumptions. What are the ideas, lifeways, and cultures that are at stake in this question, for both Indians and non Indians?

Note: Open to Freshmen only.

***Freshman Seminar 41y. From Reform to Revolution: Youth Culture in the 1960s - (New Course)**

Catalog Number: 8842 Enrollment: Limited to 12.

John C. McMillian

Half course (fall term). F., 1–3.

Examines the beliefs and practices of young people in the Vietnam Era who believed that their words and actions could change the world. Was American society was rotten at its core, but ready to be rebuilt anew? What were the intellectual and socio-cultural forces that account for the rapid rise, and precipitous decline, of youth culture activism? Explores a wide range of course materials, including primary source documents, memoirs, monographs, films, and a novel.

Note: Open to Freshmen only.

***Freshman Seminar 43q. Historian and the Genes--From Mendel to Human Clones - (New Course)**

Catalog Number: 6220 Enrollment: Limited to 12.

Everett I. Mendelsohn

Half course (spring term). Tu., 2–4.

Examines several sides of the history of genetics -- scientific, cultural, social, and political -- through the reading of original texts, through the study of their reception, rejection, or



modification, through the analysis of their incorporation into fiction as well as social theory and practice, and through the exploration of their interaction with other sciences and with agricultural and medical practices.

Note: Open to Freshmen only. There will be one or two additional evening sessions to view films.

***Freshman Seminar 44g. Public Policy Approaches to Global Climate Change**

Catalog Number: 1032 Enrollment: Limited to 12.

Richard N. Cooper

Half course (fall term). W., 1:30–4.

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 44i. The Golden Age of Piracy - (New Course)**

Catalog Number: 7548 Enrollment: Limited to 12.

Mark G. Hanna

Half course (fall term). W., 2–4.

Places pirates on center stage as a lens through which to study massive transformations of the late 16th to the 18th century that marked early phases of what is today called globalization. Explores topics including global economics, international law, imperial politics, gender, literary studies, social class, journalism, and religion. Studies construction of the concept of the Golden Age of Piracy in historical memory by James Fenimore Cooper, Edgar Allan Poe, and Robert Louis Stevenson.

Note: Open to Freshmen only.

***Freshman Seminar 44j. The Aztecs and Maya**

Catalog Number: 7826 Enrollment: Limited to 12.

David L. Carrasco (FAS, Divinity School) and William L. Fash

Half course (spring term). W., 2–5.

Explores religion, social relations, settlements, and history. Examines how modern scholars and students explore world-view, social relations, and history of other cultures. Investigates how observer bias plays role in describing and explaining "the other." Analyzes how religion fueled genesis and expansion of the Aztec empire as well as the Conquistadors' activities. Examines approaches used to piece back together puzzle of how a magnificent cultural tradition, the Maya, took root and thrived in tropical forest setting.

Note: Open to Freshmen only.

***Freshman Seminar 44m. Harvard and the History of Higher Education in the U.S., 1636-2006 - (New Course)**

Catalog Number: 1474 Enrollment: Limited to 12.

Ellen Condcliffe Lagemann (School of Education)



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

Studies history of Harvard as a force in shaping higher education in the US and around the world. Examines Harvard's history as a college, its transformation into a university, and those policies and practices that have been influential elsewhere, including selective admission, the case method in professional education, affirmative action, and the Core Curriculum. Matters pertaining to race, class, and gender have also been central in Harvard's history.

Note: Open to Freshmen only.

***Freshman Seminar 44p. Contemporary India: Fact and Fiction**

Catalog Number: 0019 Enrollment: Limited to 12.

Rena Fonseca

Half course (fall term). Tu., 2–4.

Explores rich post-colonial literature, by Indians in English, interpreting India's variety and contradictions. Explores several themes at the heart of Indian society: the idea of India, legacy of colonialism, caste struggles, religious identities, changing role of women, and influence of the diaspora. What does it mean to be an Indian today? Readings from history, political science, and sociology provide basic concepts; fiction readings embed social science concepts and ground them in lived experience.

Note: Open to Freshmen only.

***Freshman Seminar 44w. Health and Inequality**

Catalog Number: 2973 Enrollment: Limited to 12.

Jonathan Ian Levy (Public Health) and Daniel I. Wikler (Public Health)

Half course (spring term). W., 2–4.

Growing evidence indicates that disparities in health and quality of life are related to social and environmental factors. This course examines determinants of health disparities within the United States and across the world, drawing on evidence from public health, economics, philosophy, and other fields. The roles of income, race/ethnicity, education, and other factors are considered, placing information in an ethical context to identify which inequalities are unjust and what social policies might reduce disparities.

Note: Open to Freshmen only.

***Freshman Seminar 45m. The Concept of Race in Science and Medicine in the United States - (New Course)**

Catalog Number: 7675 Enrollment: Limited to 12.

Evelynn M. Hammonds (Department of History of Science and Department of African and African American Studies)

Half course (spring term). Tu., 2–4.

Studies how biologists, anthropologists, and physicians took up the questions of racial classifications, race differences, and race mixing. How did these ideas change as new tools such as genetics and evolutionary theory were developed? What is the relationship between scientific debates about race and other debates about identity and citizenship in the larger US context? How do new ideas about genetic variation among/between human groups enlist or resist concepts of race today?

Note: Open to Freshmen only.



***Freshman Seminar 45v. Cemetery as History: Jewish Burial Places and Their Christian Context in Europe and North America - (New Course)**

Catalog Number: 4290 Enrollment: Limited to 12.

Rachel L. Greenblatt

Half course (fall term). Tu., 2–4.

In cemeteries, living visitors remember and relate to dead family and friends, martyrs and heroes. These relationships and modes of memory vary from place to place and have changed over time. Examines medieval and modern Jewish cemeteries like the Old Jewish Cemetery in Prague and at Ouderkerk, just outside Amsterdam, first modern Christian cemeteries in France and Germany, and cemeteries in US. Visits to cemeteries and memorials on campus, in Cambridge, and in surrounding areas.

Note: Open to Freshmen only. Additional field trips may be scheduled.

***Freshman Seminar 46m. Understanding Terrorism - (New Course)**

Catalog Number: 4348 Enrollment: Limited to 12.

Louise M. Richardson and Jessica E. Stern

Half course (fall term). Tu., 2–4.

Introduces study of terrorism, among the gravest threats facing the world today. Covers history and evolution of tactic, from the Zealots to al Qaeda. Assesses terrorists' motivations and how they market causes to various publics. Uses case studies of variety of terrorist groups at different points in history to explore ethics both of terrorist behaviors and state responses and the rationality and psychology of terrorist operatives and their organizations. Examines dilemma faced by democratic states.

Note: Open to Freshmen only.

***Freshman Seminar 46p. Human Rights**

Catalog Number: 8408 Enrollment: Limited to 12.

Jennifer Leaning (Public Health, Medical School)

Half course (fall term). W., 3–5:30.

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: Open to Freshmen only.

***Freshman Seminar 46s. The Idea of Crime**

Catalog Number: 5122 Enrollment: Limited to 12.

Robert J. Sampson

Half course (fall term). M., 2–4.

Explores fundamental debates on crime's definition, nature, explanation, and control. Begins with controversies over the very definition of crime and deviance. Explores the assumptions that different theories make about human nature, and then turns to competing explanations and paradigms. Asks why the integration of knowledge has been so difficult in the study of crime, and assesses how competing theories square with relevant data. Implications of sociological



theory for understanding approaches to control of crime.

Note: Open to Freshmen only.

***Freshman Seminar 46v. Political Speech-Making and the Language of American Democracy - (New Course)**

Catalog Number: 1928 Enrollment: Limited to 12.

Timothy P. McCarthy

Half course (spring term). W., 2–4.

Examines rhetorical and artistic dimensions of some of the most memorable speeches delivered by American presidents, political figures, abolitionists and civil rights workers, feminists and labor activists. Presents an exciting hands-on tour of some of the most important milestones in U.S. political history as a way to inspire in students a more creative understanding of and engagement with American democracy. Not only explores use of language but historical themes and cultural contexts also.

Note: Open to Freshmen only.

***Freshman Seminar 47k. The Invention of Nature**

Catalog Number: 6260 Enrollment: Limited to 12.

Robert France (Design School)

Half course (spring term). W., 2–4:30.

Is nature real, or is it a cultural construct? Examines questions of physically manipulating or designing nature. Reviews approaches to design of nature: artificial natures like computer simulations and constructed simulacra, hyper-natures like Disney's Wilderness Lodge, and gardens, parks, and zoos. Investigates applications of design with nature: creation of ecological designs by landscape architects and reclamation of degraded sites as ecotourism centers. Studies designs for nature: restoration ecology and wildlife and wilderness management.

Note: Open to Freshmen only.

***Freshman Seminar 47m. Nationalism in Modern Western Europe - (New Course)**

Catalog Number: 7343 Enrollment: Limited to 12.

Nikolas Prevelakis

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Investigates process through which nationalism emerged, first in Europe, then in the rest of the world. Impact on the economy, religion, and literature. Emphasis on differences between types of nationalism (ethnic/civic, individualistic/collectivistic) as well as on importance of national intellectuals, circulation of ideas and of their means of transmission (e.g. the mass media, the school system, the universities). Empirical evidence from history of Europe, United States, Japan, the Balkans, and Latin America.

Note: Open to Freshmen only.

***Freshman Seminar 47y. Food, Eating, and Diet**

Catalog Number: 1853 Enrollment: Limited to 12.

Steven Shapin

Half course (spring term). M., 12–2.

What, how, how much, when, where, and with whom you eat speaks volumes about who you are, who you would like to be, and to which social groups you belong. Explores a set of issues



concerning how we eat and are fed in contemporary world and what historical changes have occurred in the culture, science, and political economy of eating. Evidence from nutritional experts, historians, anthropologists, journalists, and other cultural commentators including fiction and film.

Note: Open to Freshmen only.

***Freshman Seminar 48k. Political Legitimacy and Resistance: What Happened in Montaigne's Library on the Night of October 23, 1587, and Why Should Political Philosophers Care?**

Catalog Number: 4798 Enrollment: Limited to 12.

Arthur I. Applbaum (Kennedy School)

Half course (spring term). M., 2–4:30. EXAM GROUP: 7, 8, 9

Explores the theories of political legitimacy and justified resistance to authority developed by the persecuted Protestants during the French Wars of Religion, and traces the influence of these ideas about political obligation and religious conscience on some of the major figures in modern political philosophy from John Locke to John Rawls. Students should be prepared to engage in both historical detective work and philosophical reflection. All required reading will be in English.

Note: Open to Freshmen only.

***Freshman Seminar 48m. The Tobacco Pandemic: History, Culture, Science, and Policy - (New Course)**

Catalog Number: 9368 Enrollment: Limited to 12.

Allan M. Brandt

Half course (spring term). W., 2–4.

Examines cultural, scientific, political, and legal aspects of history of cigarette use, both in US and globally. Explores the relationships of cultural change to patterns of health and disease; of advertising and promotion to consumption; and of corporate interests to regulation. Relationship of risk, behavior, and responsibility for disease seen through tobacco issue. Should smokers be held responsible for their "voluntary" risks? Or should governments or corporations bear the responsibility for the harms of smoking?

Note: Open to Freshmen only.

***Freshman Seminar 48v. North Korea as History and Crisis - (New Course)**

Catalog Number: 5209 Enrollment: Limited to 12.

Carter J. Eckert

Half course (spring term). W., 3–5.

Explores the historical context of the present crisis on the Korean peninsula and engages students in current debates about the crises from a variety of different official, institutional, and popular perspectives, including those of North and South Korea, the United States, China, Japan, Russia, and other concerned parties, such as the United Nations. Students encouraged to develop own perspectives on resolving the crisis. Examines role of historical forces in shaping the crisis and its possible resolution.

***Freshman Seminar 49e. Globalization: Critical Perspectives**

Catalog Number: 5230 Enrollment: Limited to 12.



Adam Webb

Half course (spring term). W., 3–5.

Does globalizations set people free or does it erode community values? What are the rival visions of what a "global" society and polity should be? Why have some visions proved more compelling than others? Topics to be investigated include: economic optimism, globalization as human emancipation, critiques of economic inequality, globalization and the media, national identity in the global community, sovereignty and power, civic membership, religious responses, globalization and democracy, and trans-national political institutions.

Note: Open to Freshmen only.

***Freshman Seminar 49i. Understanding Ancient Politics in the Medieval World - (New Course)**

Catalog Number: 8256 Enrollment: Limited to 12.

Noah I. Dauber

Half course (fall term). W., 1–3.

What was the role of the Ancient World before the Renaissance? Explores selected themes in political literature of late Middle Ages, including democracy, value of the pastoral and agricultural life, friendship between lord and servant, and place of women and nature of the household. How did medieval authors read Aristotle and Roman historians in light of institutions of their own day? Investigates social and economic bases of politics, roots of community, liberty, and political participation.

Note: Open to Freshmen only.

***Freshman Seminar 49k. Wealth and Leadership: Two Centuries of Boston's Philanthropy**

Catalog Number: 5767 Enrollment: Limited to 12.

Peter Dobkin Hall

Half course (fall term). W., 3–5.

Why do some cities thrive, while others fail? Why do some institutions embrace change, while others resist it? How do leadership and philanthropy enable communities to meet challenges creatively? Explores how the expansive civic vision of the city's private sector leaders, combined with deep traditions of private generosity, have enabled Harvard, the Museum of Fine Arts, Mount Auburn Cemetery, the Lowell Institute, and other institutions to remain "world-class" despite disruptive economic, political, and social changes.

Note: Open to Freshmen only.

***Freshman Seminar 49l. Cruelty and Modern Law: The Jurisprudence of Cruelty, Brutality, and Suffering - (New Course)**

Catalog Number: 3720 Enrollment: Limited to 12.

Paulo Barrozo (Committee on Degrees in Social Studies)

Half course (spring term). W., 2–4.

How and when does cruelty matter? Interrogates the nature of our ideas and feelings about cruelty, vulnerability, brutality, exploitation, and suffering and the way these ideas are reflected in modern law. Rejection of cruelty pervades modern moral sensibility and thought, legal institutions, discursive formulas, and social practices. What is at stake in this rejection? Pairs films, novels, memoirs, legal documents, social data, historiographical work, and students' narratives with seminal legal and philosophical works.



***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test - (New Course)**

Catalog Number: 9965 Enrollment: Limited to 12.

Marla D. Eby (Medical School)

Half course (fall term). W., 2–4.

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 49s. The United Nations, Past and Present: Can the UN Be Fixed? Is the UN the Problem?**

Catalog Number: 5692 Enrollment: Limited to 12.

Samantha J. Power

Half course (spring term). M., 4–6. EXAM GROUP: 9

Examines UN system, and its willingness and capacity to confront genocidaires, terrorists, and repressive states, and to rein in unilateralist democracies. Discusses the history of the United Nations and its current work. Students will be required to submit an end-of-semester detailed memo to the Secretary General proposing a specific UN reform and outlining a strategy for securing the support of the United States and the other major powers.

Note: Open to Freshmen only.

***Freshman Seminar 49t. Russia as a Multiethnic Empire**

Catalog Number: 7988 Enrollment: Limited to 12.

Sean M. Pollock

Half course (spring term). Th., 2–4.

Studies Russia as a multiethnic empire and considers the consequences of doing so for the idea of Russia and of Russianness. Moves discussion away from the Russian heartland and into the borderlands. Readings include theoretical literature on empire, nation, frontier, borderland, and identity formation; primary texts including diaries, travelogues, maps, prose fiction, and poetry; and selections from such literary giants as Gogol, Pushkin, and Tolstoy, for insight into the peculiarities of the Russian imperial experience.

Note: No previous knowledge of Russian history or literature is required; all readings will be in English.

***Freshman Seminar 49z. The Art of the Impossible: Political Leadership in the 20th Century - (New Course)**

Catalog Number: 7628 Enrollment: Limited to 12.

Roderick MacFarquhar

Half course (fall term). W., 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.

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, Harvard College Professor and Professor of History and of African and African American Studies

Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies

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

Glenda R. Carpio, Associate Professor of African and African American Studies and of English (*on leave 2007-08*)

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies, Fellow, Dept/Prog (Stip) (*on leave 2007-08*)

Marla F. Frederick, Associate Professor of African and African American Studies and of the Study of Religion

Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor (*on leave spring term*)

Farah J. Griffin, Visiting Professor of African and African American Studies

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor

Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures

Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature (*Director of Graduate Studies, spring term*)

Walter Johnson, Professor of History and of African and African American Studies (*on leave 2007-08*)

Jamaica Kincaid, Visiting Lecturer on African and African American Studies and on English

Michael R. Kremer, Gates Professor of Developing Societies



Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment

John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program

Susan E. O'Donovan, Associate Professor of African and African American Studies and of History

Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions (*FAS*), Professor of African Religious Traditions (*Divinity School*)

Tommie Shelby, Professor of African and African American Studies and of Philosophy (*Director of Undergraduate Studies*)

Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*on leave 2007-08*)

James Sidanius, Professor of Psychology and of African and African American Studies (*on leave 2007-08*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*Director of Graduate Studies, fall term*) (*on leave spring term*)

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

John Stauffer, Professor of English and Professor of African and African American Studies (*on leave fall term*)

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 F. and Linda L. Geyser University Professor

Other Faculty Offering Instruction in African and African American Studies

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Vincent Brown, Dunwalke Associate Professor of American History

Orlando Patterson, John Cowles Professor of Sociology

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 (fall 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 Core area requirement for Historical Study A.

African and African American Studies 11. Introduction to African Studies - (New Course)

Catalog Number: 9428

Francis Abiola Irele and J. Lorand Matory

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 - (New Course)

Catalog Number: 7352

Marla F. Frederick

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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?

African and African American Studies 20. Introduction to African Languages and Cultures

Catalog Number: 2048

John M. Mugane

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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.



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: 2
Individualized study of an African language at the elementary level. Contact hours with language coach. Emphasis on written expression, reading comprehension and oral fluency. The following languages are a partial list of those that can be taken: Bambara, Hausa, Igbo, Malagasy, and Zulu. In 2006–07, over 16 sub-Sahara languages were taught in the Department.

Note: For instruction in languages that are not listed, please consult the Director of the African Language Program. 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.

Swahili

Swahili A (formerly African and African American Studies 121). Elementary Swahili

Catalog Number: 1878

John M. Mugane

Full course (indivisible). Fall: M., W., F., at 10; Spring: M., W., F., at 10. EXAM GROUP: 3

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). Spring: M., W., at 6. EXAM GROUP: Spring: 9

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.

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.

Yoruba

Yoruba A. Elementary Yoruba

Catalog Number: 0029

John M. Mugane

Full course (indivisible). Hours to be arranged. EXAM GROUP: 9

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: Fall: 18; Spring: 9

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: 13, 14

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 (spring term). Hours to be arranged.

Note: Not open to auditors.

Prerequisite: Yoruba 101a or equivalent.

Undergraduate Tutorials

***African and African American Studies 91r. Supervised Reading and Research**

Catalog Number: 1269

Tommie Shelby 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: Race and Humanism - (New Course)

Catalog Number: 3022

Duana Fullwiley

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

This course examines the place and social function of racial logics in humanist discourse. Drawing on historical, anthropological, and biological examples, students will explore how human particularism and universals often work together to establish both racial distinction and the notion of "the human" more generally. Interdisciplinary in nature, this course will explore diverse case studies that include early 20th-century colonial rule in French West Africa, the philosophies behind the Parisian Negritude movement, the work of the Boasian school of American anthropology, the creation of UNESCO and its statements on race, and the evolution of the American Anthropological Association's and the American Sociological Association's



statements on race. We will also review the most recent debates on human biological differences, and similarity, in the life sciences in the late 20th and early 21st century with regard to the Human Genome Project, the HapMap, and other key molecular-based studies on human distinction within the field of genomics.

***African and African American Studies 98. Junior Tutorial - African American Studies**

Catalog Number: 6272

Tommie Shelby and members of the tutorial staff

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

Tommie Shelby and members of the tutorial staff

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

Tommie Shelby 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 2008–09.



African and African American Studies 113. Fictions of Race, Facts of Racism: Perspectives from South African and African American Drama and Fiction

Catalog Number: 1503

Biodun Jeyifo

Half course (spring term). Th., 1–3:30. EXAM GROUP: 15, 16, 17

The course will explore works of South African and African American drama and fiction while considering the claim that "race" is a socially constructed fiction. The works to be explored in the course juxtapose the fiction of race with the facts of racism to pose the fundamental question: Can we imagine a world where racism, like "race" will also become fiction? Authors include Baraka, Morrison, Naylor, August Wilson, Gordimer, Nkosi, Fugard, and Coetzee.

[African and African American Studies 117. The Harlem Renaissance] - (New Course)

Catalog Number: 1442

Glenda R. Carpio

Half course (spring 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 2008–09.

African and African American Studies 118. African American History from the Slave Trade to 1900

Catalog Number: 7429

Susan E. O'Donovan

Half course (fall term). 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 African World] - (New Course)

Catalog Number: 0192

Francis Abiola Irele

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

This course will be devoted to a comprehensive examination of Achebe's oeuvre, with a view to his vision of Africa, as this emerges from his novels and essays.

Note: Expected to be given in 2008–09.



African and African American Studies 121. Please, Wake Up! - Race, Gender, Class and Ethnicity in the Early Films of Spike Lee - (New Course)

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".

[African and African American Studies 124. The Poetics of Tradition: African Literature and the Dilemma of Modernity] - (New Course)

Catalog Number: 7057

Francis Abiola Irele

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

Description forthcoming.

Note: Expected to be given in 2009–10.

[African and African American Studies 126. Philosophical Perspectives on Race and Racism] - (New Course)

Catalog Number: 6471

Tommie Shelby

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Critically examines recent philosophical work on the themes of "race" and racism. Topics for discussion include the following: What is a "race" and do any exist? What does it mean to embrace or reject one's racial identity? What is racism, and what makes it wrong? How should we, from the point of view of justice, respond to racism and the social problems it causes?

Note: Expected to be given in 2008–09.

[African and African American Studies 128. Black Nationalism]

Catalog Number: 3426

Tommie Shelby

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

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 2008–09.



[African and African American Studies 130. W. E. B. Du Bois: Social and Political Writings] - (New Course)

Catalog Number: 3561

Tommie Shelby

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

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 2009–10.

African and African American Studies 131. African-American Literature to the 1920s

Catalog Number: 2589

Farah J. Griffin

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 137. Literature and Its Cultural ‘Others’ - America, Africa and the Caribbean, 1950s-80s - (New Course)

Catalog Number: 3258

Biodun Jeyifo

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7, 8

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 140z. The Other African Americans]

Catalog Number: 0300

J. Lorand Matory

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

Surveys the history and contemporary experiences of self-identified “mixed-race” groups, as well as voluntary immigrant groups from Africa and the Caribbean, such as Cape Verdeans, Nigerians, Jamaicans, Afro-Puerto Ricans, and Haitians in the US. Students are introduced to arguments central to the social scientific study of modern societies generally, such as the invention of ethnicity, and negotiation of identity, and the social constructedness of race.

Note: Expected to be given in 2009–10.



[African and African American Studies 142. Afro-Latin Society and Politics] - (New Course)

Catalog Number: 3844

J. Lorand Matory

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

Survey of non-English-speaking populations of African descent in the Americas.

Note: Expected to be given in 2008–09.

[African and African American Studies 169. Visualizing Africa - \(New Course\)](#)

Catalog Number: 6518

Suzanne P. Blier

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

An examination of the various ways in which Africa historically has been conceptualized and visualized in art and illustrative materials. Emphasis is given to the critical reading of actual works of art and documents. Construction of self and others as seen through images is discussed. The interface between Africa and the Christian and Islamic worlds as well as larger concerns of slavery, colonialism, and contemporary art are examined.

[African and African American Studies 174. The African City] - (New Course)

Catalog Number: 6977

Suzanne P. Blier

Half course (fall 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 2008–09.

[African and African American Studies 185. Perspectives on the African Novel]

Catalog Number: 6764

Francis Abiola Irele

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

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: Expected to be given in 2008–09.

[African and African American Studies 187. African Religions - \(New Course\)](#)

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 - (New Course)

Catalog Number: 3590

Jacob Olupona

Half course (spring term). Th., 4–6. EXAM GROUP: 18

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: Offered jointly with the Divinity School as 3698.

[African and African American Studies 189. African Americans and Consumer Culture] - (New Course)

Catalog Number: 0397

Kimberly McClain DaCosta

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

This course looks at African American lives in a culture of consumption.

Note: Expected to be given in 2008–09.

[African and African American Studies 190. African-American Families: Politics, Culture, Experience]

Catalog Number: 9440

Kimberly McClain DaCosta

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

“The Black Family” has often been at the center of political debates about social policy, including welfare reform and crime. Such debates tend to obscure the particular historical, social, and economic circumstances that shape African American family life and posit a unidimensional black family experience. We explore the diversity of black family life—by class, region, family composition, and gender—and link social structure to how families form, function, and change.

Note: Expected to be given in 2008–09.

[African and African American Studies 192x. Religion and Society in Nigeria]

Catalog Number: 8241

Jacob Olupona

Half course (spring term). Th., 4–6. EXAM GROUP: 18

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 2008–09.

[African and African American Studies 193. Religion and Social Change in Black America]

Catalog Number: 8058

Marla F. Frederick

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

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: Expected to be given in 2009–10. Offered jointly with the Divinity School.

[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. EXAM GROUP: 16, 17

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: Offered jointly with the Divinity School as 3699.

[African and African American Studies 197. Poverty, Race, and Health - \(New Course\)](#)

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.

Primarily for Graduates

[African and African American Studies 211. Social Structure and Culture in the Study of Race - \(New Course\)](#)

Catalog Number: 7733

William Julius Wilson



Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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: Offered jointly with the Kennedy School of Government as HLE-207. Open to advanced undergraduates with permission of the instructor.

African and African American Studies 218. Topics in African American History

Catalog Number: 9951

Susan E. O'Donovan

Half course (spring term). M., 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 241. Topics in African American Social Science]

Catalog Number: 3668

James Sidanius

Half course (fall term). Th., 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.

Note: Expected to be given in 2008–09.

Graduate Courses

***African and African American Studies 301. Graduate Seminar**

Catalog Number: 3120

Werner Sollors, Henry Louis Gates, Jr., and members of the Department

Half course (fall term). Tu., 12–2.

Students are introduced to major themes, debates, and texts in the broad interdisciplinary field of African and African American Studies. We focus on humanities and literary and cultural studies.

Note: Required for all graduates in African and African American Studies in their first year.

Ordinarily only graduate students affiliated with the program are permitted to attend.

***African and African American Studies 302. Graduate Seminar**

Catalog Number: 7559

Duana Fullwiley 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, Ali S. Asani 7739, Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408 (on leave 2007-08), Kimberly McClain DaCosta 4182 (on leave 2007-08), Marla F. Frederick 4728, Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899 (on leave spring term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616 (on leave 2007-08), Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608, Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2007-08), James Sidanius 5371 (on leave 2007-08), Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), 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, Ali S. Asani 7739, Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408 (on leave 2007-08), Kimberly McClain DaCosta 4182 (on leave 2007-08), Marla F. Frederick 4728, Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899 (on leave spring term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616 (on leave 2007-08), Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608, Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2007-08), Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), 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, Ali S. Asani 7739, Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408 (on leave 2007-08), Kimberly McClain DaCosta 4182 (on leave 2007-08), Marla F. Frederick 4728, Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899 (on leave spring term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616 (on leave 2007-08), Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608, Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2007-08), James Sidanius 5371



(on leave 2007-08), Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), 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, Ali S. Asani 7739, Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Vincent Brown 4638, Glenda R. Carpio 4408 (on leave 2007-08), Kimberly McClain DaCosta 4182 (on leave 2007-08), Marla F. Frederick 4728, Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899 (on leave spring term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001, Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608, Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2007-08), James Sidanius 5371 (on leave 2007-08), Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), 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, Robert H. Bates 1251, Homi K. Bhabha 4100, Suzanne P. Blier 3472, Glenda R. Carpio 4408 (on leave 2007-08), Kimberly McClain DaCosta 4182 (on leave 2007-08), Marla F. Frederick 4728, Duana Fullwiley 5767, Henry Louis Gates, Jr. 2899 (on leave spring term), Evelyn M. Hammonds 4545, Evelyn Brooks Higginbotham 3517, Jennifer L. Hochschild 3785, Francis Abiola Irele 4354, Biodun Jeyifo 1001, Walter Johnson 5616 (on leave 2007-08), Jamaica Kincaid 3178, Michael R. Kremer 2112, Michèle Lamont 4634, J. Lorand Matory 3098, Ingrid Monson 1591, John M. Mugane 4776, Susan E. O'Donovan 3962, Jacob Olupona 5608, Orlando Patterson 1091, Tommie Shelby 3863, Kay Kaufman Shelemay 3483 (on leave 2007-08), James Sidanius 5371 (on leave 2007-08), Werner Sollors 7424 (on leave spring term), David Williams 5778, and William Julius Wilson 2401

Cross-listed Courses of Interest to Students Pursuing the African Track

[Anthropology 1600. Watching Us, Seeing Them: A General Introduction to Social Anthropology](#)

[Anthropology 1710. Memory Politics: Truth, Justice, Redress]

[*Anthropology 2650a. History and Theory of Social Anthropology: Proseminar](#)

[Anthropology 2735. The Anthropology of Science: Methods and Theory - \(New Course\)](#)

[*BPH 322. Study of Epidemiologic and Biological Characteristics of HIV Viruses in Africa](#)

[Economics 1393. Poverty and Development](#)

[*English 295. Marxism and Postcolonial Studies: Graduate Seminar - \(New Course\)](#)



[Ethiopic A. Introduction to Classical Ethiopic (Ge'ez)]
[Ethiopic 120ar. Readings in Classical Ethiopic \(Ge'ez\) Texts I](#)
[Ethiopic 120br. Readings in Classical Ethiopic \(Ge'ez\) Texts II](#)
***Ethiopic 300. Ethiopian Semitic Language and Literature**
[*Folklore and Mythology 90d. African Women Storytellers - \(New Course\)](#)
[Folklore and Mythology 90e. Folklore and Nationalism - \(New Course\)](#)
[Foreign Cultures 46. Caribbean Societies: Socioeconomic Change and Cultural Adaptations](#)
[Foreign Cultures 86. West African Cultures](#)
[Foreign Cultures 88. The African Experience: Between Tradition and Modernity](#)
[French 70c. Introduction to French Literature III: The Francophone World](#)
[French 195 \(formerly French 277\). The African and Caribbean Novel in French: Comparative Perspectives](#)
[*Freshman Seminar 25t. AIDS in Africa](#)
[*Freshman Seminar 31o. Negotiating Identity in Postcolonial Francophone Africa and the Caribbean](#)
[Government 1100. Political Economy of Development](#)
[Government 1197. The Political Economy of Africa]
[Government 2162. Perspectives on Political Economy](#)
[Government 2227. The Politics and Economics of Africa](#)
[Government 2782. State Failure and Civil War](#)
[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 1483. French Colonial Encounters: 1870's to Present: Research Seminar]
[*History 1900. Islam in Sub-Saharan Africa, 630 C.E. to the Present: Reading Seminar - \(New Course\)](#)
[History 1906. West Africa from the Earliest Times to 1800](#)
[History 1907. West Africa from 1800 to the Present]
[*History 1912. Health, Disease, and Ecology in African History: Research Seminar]
[*History 1917. Human Rights in Africa: An Historical Perspective: Research Seminar]
[History 2908. Sources, Methodology, and Themes in African History: Seminar](#)
[History 2909. Themes in Modern Sub-Saharan African History: Proseminar](#)
[*History of Art and Architecture 196. Contemporary Art in Africa](#)
[*History of Art and Architecture 199g. Global Art: Comparative Approaches in Art History & Ethnography]
[Literature and Arts B-27. Majesty and Mythology in African Art](#)
[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]
[Music 201b. Current Methods in Ethnomusicology](#)
[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]
[Music 208r. Ethnomusicology: Seminar]
[Music 209r. Ethnomusicology: Seminar](#)
[*Psychology 1950. Intermediate Statistical Analysis in Psychology](#)
[*Psychology 2570r. Intergroup Relations: Research Seminar](#)
[Social Analysis 52. The Political Economy of Development](#)
[*Social Studies 98hj. Colonial Legacies in Postcolonial Africa](#)



Cross-listed Courses of Interest to Students Pursuing the African American Track

[Anthropology 1600. Watching Us, Seeing Them: A General Introduction to Social Anthropology](#)

[*Anthropology 2650a. History and Theory of Social Anthropology: Proseminar](#)

[Anthropology 2735. The Anthropology of Science: Methods and Theory - \(New Course\)](#)

[Economics 1812. The US Labor Market](#)

[Economics 1816. Race in America](#)

[Economics 2811. Social Economics](#)

[*Economics 3810chf. Research in Labor Economics](#)

[English 166x. The Postcolonial Classic](#)

[English 172d. The American Novel: 1865-1914 - \(New Course\)](#)

[*English 292. Issues in the Study of American Literature: Graduate Seminar](#)

[*English 295. Marxism and Postcolonial Studies: Graduate Seminar - \(New Course\)](#)

[*English 298. Literary Theory in the Life of Literature: Graduate Seminar](#)

[*English 310hfr. American Literature and Culture: Doctoral Conference](#)

[*English 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference](#)

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

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

[Foreign Cultures 86. West African Cultures](#)

[French 195 \(formerly French 277\). The African and Caribbean Novel in French: Comparative Perspectives](#)

[\[*Freshman Seminar 45m. The Concept of Race in Science and Medicine in the United States\]](#)

[*Government 90ef. Black Politics in the Post Civil Rights Era - \(New Course\)](#)

[*Government 2305. American Government and Politics: Field Seminar](#)

[\[Government 2335. Power in American Society\]](#)

[Government 2392. American Political Ideologies](#)

[Government 2576. Racial and Ethnic Politics in the United States - \(New Course\)](#)

[Historical Study B-39. American Revolutions in the Atlantic World - \(New Course\)](#)

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas](#)

[\[*History 1605. Early American Slave Revolts: Research Seminar\]](#)

[*History 1612. African Diaspora in the Americas: Reading Seminar](#)

[*History 1622. Readings in the History of Slavery: Reading Seminar](#)

[History 1625. The American Civil War: Waging a War in History and Memory](#)

[\[History 1629. Empire for Liberty: The US in the Nineteenth Century\]](#)

[*History 1635. Race and Race Relations Since Plessy: Research Seminar](#)

[*History 1653. The Asian American Radical Tradition: Reading Seminar - \(New Course\)](#)

[*History 1656. Harvard and Slavery: Research Seminar - \(New Course\)](#)

[*History 1659. Afro-Asian Encounters in the Modern World: Research Seminar - \(New Course\)](#)

[*History 1667. The Northern Side of the Civil Rights Movement: Research Seminar - \(New Course\)](#)

[\[*History 1912. Health, Disease, and Ecology in African History: Research Seminar\]](#)



[History 2632. Slavery, Capitalism, and Imperialism in the 19th century United States: Seminar]

[History 2661. Graduate Readings in 20th-Century African-American History: Seminar]

[History 2664. Race and African-American Intellectual History: Seminar](#)

[History 2665. Topics in the History of Atlantic Slavery: Seminar - \(New Course\)](#)

[*History of Art and Architecture 196. Contemporary Art in Africa](#)

[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]

[Music 194rs. Special Topics: Proseminar](#)

[Music 201b. Current Methods in Ethnomusicology](#)

[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]

[Music 208r. Ethnomusicology: Seminar]

[Music 209r. Ethnomusicology: Seminar](#)

[Philosophy 132. Marx and Marxism - \(New Course\)](#)

[*Psychology 1950. Intermediate Statistical Analysis in Psychology](#)

[*Psychology 2570r. Intergroup Relations: Research Seminar](#)

[Religion 1001. Religion and Ethnography - \(New Course\)](#)

[Social Analysis 52. The Political Economy of Development](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

[Sociology 60. Sociology of Race and Ethnicity]

[*Sociology 98. Junior Tutorial](#)

[*Sociology 184. Freedom in America: An Historical Sociology: Conference Course](#)

[Sociology 194. Knowledge Production & Evaluation in the Social Sciences: Conference Course - \(New Course\)](#)

[Sociology 204. Sociological Theory: Seminar](#)

[*Sociology 209. Qualitative Social Analysis: Seminar](#)

[Sociology 225. Historical Sociology: Studying Continuity and Change: Seminar]

[Sociology 236. Selected Topics in Culture and Inequality]

[*Sociology 249. "Race," Culture, and Social Structure: Seminar](#)

[*Sociology 300hf \(formerly *Sociology 300\). Race, Identity and Inequality](#)

[*Sociology 304. Culture and Social Analysis Workshop](#)

African Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on African Studies



Jacob Olupona, Professor of African and African American Studies and Professor of African Religious Traditions (*FAS*), Professor of African Religious Traditions (*Divinity School*) (*Chair*)
 Rawi Abdelal, Associate Professor of Business Administration (*Business School*)
 Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
 Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African and African American Studies
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies
 Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies
 Rita M. Breen, Executive Officer for the Committee on African Studies
 Felton J. Earls, Professor of Social Medicine (*Medical School*) and Professor of Human Behavior and Development (*Public Health*)
 Caroline M. Elkins, Hugh K. Foster Associate Professor of African Studies
 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
 Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor (*on leave spring term*)
 Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies (*ex officio*)
 Allan G. Hill, Andelot Professor of Demography (*Public Health*)
 Nahomi Ichino, Assistant Professor of Government (*on leave fall term*)
 Francis Abiola Irele, Visiting Professor of African and African American Studies and of Romance Languages and Literatures
 Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature
 Matthew Jukes, Assistant Professor (*Education School*)
 Calestous Juma, Professor of the Practice of International Development (*Kennedy School*)
 Michael R. Kremer, Gates Professor of Developing Societies
 Harry S. Martin III, Henry N. Ess III Librarian and Professor of Law (*Law School*)
 J. Lorand Matory, Professor of Anthropology and of African and African American Studies
 Jens Meierhenrich, Assistant Professor of Government and of Social Studies
 Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment
 John M. Mugane, Professor of the Practice of African Languages and Cultures and Director of the African Language Program
 Pauline E. Peters, Lecturer on Anthropology (*FAS*) and Lecturer on Public Policy (*Kennedy School*)
 Matthias Schündeln, Assistant Professor of Economics and of Social Studies (*on leave 2007-08*)
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*on leave 2007-08*)
 Debora L. Spar, Spangler Family Professor of Business Administration (*Business School*)
 Lucie E. White, Louis A. Horvitz Professor of Law (*Law School*)



Richard K. Wolf, Professor of Music

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 undergraduate summer grants for senior honors thesis study and graduate dissertation research 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.

Undergraduates 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:

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*)

Asad A. Ahmed, Assistant Professor of Anthropology

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology

John C. Barry, Lecturer on Anthropology

Patricia Capone, Lecturer on Anthropology

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*)

Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology

Steven C. Caton, Professor of Contemporary Arab Studies

Judith F. Chapman, Lecturer on Anthropology

Paulette G. Curtis, Lecturer on Anthropology

Peter T. Ellison, John Cowles Professor of Anthropology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Rowan K. Flad, Assistant Professor of Anthropology

Duana Fullwiley, Assistant Professor of Anthropology and of African and African American Studies

Michael Herzfeld, Professor of Anthropology



Engseng Ho, Professor of Anthropology (*on leave spring term*)
Carole K. Hooven, Lecturer on Anthropology
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*) (*on leave 2007-08*)
Cheryl D. Knott, Associate Professor of Anthropology
Karen L. Kramer, Associate Professor of Anthropology
Smita Lahiri, Associate Professor of Anthropology (*on leave 2007-08*)
C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology
Daniel E. Lieberman, Professor of Anthropology
Susan F. Lipson, Lecturer on Anthropology
Diana Loren, Lecturer on Anthropology
J. Lorand Matory, Professor of Anthropology and of African and African American Studies
Richard H. Meadow, Senior Lecturer on Anthropology
Katrina Moore, Lecturer on Anthropology
Jessica Mulligan, Lecturer on Anthropology
Pauline E. Peters, Lecturer on Anthropology (*FAS*) and Lecturer on Public Policy (*Kennedy School*)
David Pilbeam, Henry Ford II Professor of Human Evolution
Jeffrey Quilter, Senior Lecturer on Anthropology
Maryellen Ruvolo, Professor of Anthropology
John S. Schoeberlein, Lecturer on Central Asian Studies, and Director of the Central Asia Forum
Mary M. Steedly, Professor of Anthropology
Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies, Associate Professor of Anthropology and of Social Studies
Kimberly Theidon, Assistant Professor of Anthropology (*on leave fall term*)
Noreen Tuross, Landon T. Clay Professor of Scientific Archaeology
Jason A. Ur, Assistant Professor of Anthropology (*on leave fall term*)
Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies
James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society
Rubie S. Watson, Senior Lecturer on Anthropology, Curator of Comparative Ethnology in the Peabody Museum
Katherine K. Whitcome, Lecturer on Anthropology
Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology
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*)
Diane L. Rosenfeld (*Harvard Law School*)
Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Within the field of concentration there are three special fields: Archaeology, Biological



Anthropology, and Social Anthropology. For the requirements in these special fields, consult the Undergraduate Office of the department. The Biological Anthropology faculty also offer a concentration in Human Evolutionary Biology that provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. For requirements in the Human Evolutionary Biology concentration, see the Life Sciences website, www.lifescience.fas.harvard.edu, and also the Biological Anthropology website, www.anthropology.fas.harvard.edu.

Department of Anthropology course listings are numerically ordered as follows:

1000-1299 and 2000-2299: Archaeology

HEB 1300-1599: Biological Anthropology (see Human Evolutionary Biology chapter)

2300-2599: Biological Anthropology

1600-1999 and 2600-2999: Social Anthropology

Archaeology

Primarily for Undergraduates

***Anthropology 91xr (formerly Anthropology 91r). Supervised Reading and Research - (New Course)**

Catalog Number: 5660

Richard H. Meadow

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 - (New Course)**

Catalog Number: 9029

Richard H. Meadow

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 97x. Sophomore Tutorial in Archaeology**

Catalog Number: 0400

Ann Clair Seiferle-Valencia

Half course (spring term). M., 2–4.

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

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

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 - (New Course)**

Catalog Number: 6656

Richard H. Meadow

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 1000 (formerly Anthropology 100). World Prehistory: Archaeological Approaches to Ancient Societies]

Catalog Number: 7182



Rowan K. Flad

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

An introduction to world prehistory. We explore the major themes from our human past, beginning with the evolution and behavior of our closest hominid ancestors from over five million years ago and continuing up through the formation of the great civilizations of the Old and New Worlds. A sub-text of the course is how archaeological knowledge is constructed.

Note: Expected to be given in 2008–09.

Anthropology 1010 (formerly Anthropology 101). Introduction to Archaeology

Catalog Number: 8727

Rowan K. Flad and Ofer Bar-Yosef

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 lecture/laboratory format integrates methods and theory, and utilizes Peabody Museum collections, to provide an overview of analytic and interpretive techniques to reconstruct ancient diet, trade, and political systems.

[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar]

Catalog Number: 5150 Enrollment: Limited to 12.

Richard H. Meadow

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 2008–09. May not be taken pass/fail. No auditors permitted.

[Anthropology 1030. Religions of Mesoamerica]

Catalog Number: 3698

David L. Carrasco (FAS, Divinity School)

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

Examines the religious traditions of ancient and modern Mesoamerican peoples (including the Aztec, Mixtec, Zapotec, Maya, Teotihuacan, and Olmec), integrating archaeological, artistic, documentary, and ethnographic source materials. Topics to be investigated include cosmology and world-view, sacred landscapes, divine rulership, shamanism, ancestor worship, public rituals and festivals, healing, among others, and how these topics were discussed and represented in ancient arts and literatures. The course will also study the religious consequences of Spanish domination as seen up to the present day.

Note: Expected to be given in 2008–09.

Anthropology 1040 (formerly Anthropology 140). Origins of the Food We Eat

Catalog Number: 1837



Ofer Bar-Yosef and Richard H. Meadow

Half course (fall 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 2008–09.

Anthropology 1060. Archaeological Science

Catalog Number: 2013

Noreen Tuross

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 1085. Six Great Discoveries in New World Archaeology

Catalog Number: 2318

Jeffrey Quilter

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

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: Class designed primarily for undergraduates with no previous experience in archaeology but it may also be taken by graduate students.



Anthropology 1088. Great Women in Archaeology - (New Course)

Catalog Number: 4930

Ann Clair Seiferle-Valencia

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

This course will examine contributions made in Old and New World archaeology by female archaeologists during the late 19th to mid 20th century. Many of these women made significant contributions to archaeology in a time when educational opportunities and career choices for women were limited. We will review the scholarship of these women in depth and consider their contributions from both a critical viewpoint and also in light of the social climate of their day.

[Anthropology 1090. Ethnography and Archaeology]

Catalog Number: 8716

Gary Urton

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

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: Expected to be given in 2008–09.

Anthropology 1100. Social Archaeology: The Foundations of Social Difference - (New Course)

Catalog Number: 3638

Cheryl Ann Makarewicz

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Investigates the origins of social differentiation and the emergence of social complexity in (pre)history. The potential contribution of economic systems, concepts of ownership, feasting, ancestor veneration, and controlled access to places in the formation of socially differentiated cultural groups are explored, as well as the strength of cultural evolutionary, heterarchical, and corporate models of social organization. Students combine topics discussed with their knowledge of archaeology and/or other disciplines to build and test their own models.

Anthropology 1120. Comparative Analysis of Ancient Civilizations

Catalog Number: 7474

C. C. Lamberg-Karlovsky

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

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.

Anthropology 1130. Archaeology of Harvard Yard

Catalog Number: 1634

William L. Fash, Patricia Capone, Christina Jayne Hodge, and Diana Loren

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

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 - (New Course)

Catalog Number: 0655

William L. Fash, Patricia Capone, Christina Jayne Hodge, and Diana Loren

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

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 India College site.

Prerequisite: Anthropology 1130, Archaeology of Harvard Yard.

[Anthropology 1150 (formerly Anthropology 2063). Ancient Landscapes]

Catalog Number: 4736

Jason A. Ur

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

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.

Note: Expected to be given in 2008–09.

[Anthropology 1160. Introduction to the Yucatec Maya Language]

Catalog Number: 4772

Marc U. Zender

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

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.

Note: Expected to be given in 2008–09.

Anthropology 1162. Introduction to Classical Nahuatl - (New Course)

Catalog Number: 9419

Marc U. Zender

Half course (fall term). M., W., 1:30–3. EXAM GROUP: 6, 7

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.



Anthropology 1165. Digging the Glyphs: Adventures in Decipherment

Catalog Number: 9906

Marc U. Zender

Half course (spring term). M., W., 1:30–3. EXAM GROUP: 6, 7

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 (formerly Anthropology 174). 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 2008–09.

[Anthropology 1175 (formerly Anthropology 175). 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 2008–09.

Anthropology 1177 (formerly Anthropology 177). South American Archaeology

Catalog Number: 6996

Gary Urton

Half course (fall term). Tu., Th., 1:30–3. 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 1210. The Archaeology of Ancient China

Catalog Number: 1793

Rowan K. Flad

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



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.

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). Tu., 1–3. EXAM GROUP: 15, 16

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.

Primarily for Graduates

[*Anthropology 2000. Osteoarchaeology Lab]

Catalog Number: 0363 Enrollment: Limited to 12.

Richard H. Meadow

Half course (fall term). W. 2–5 and 3+ hours of laboratory weekly. EXAM GROUP: 7, 8, 9

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 2008–09. 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: Metals

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 ancient societies used to produce metal objects from native and smelted metals, stressing principles of physical metallurgy and the study of metallic microstructures.

Note: Open to senior undergraduates with permission of instructor.

Anthropology 2010br. Materials in Ancient Societies: Metals

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 ancient societies used to produce metal objects from native and smelted metals, focusing on selection and processing of the materials.

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 2008–09.

***Anthropology 2045. Anthropogenic Evidence in Soil - (New Course)**

Catalog Number: 6553 Enrollment: Limited to 6. For graduate students only.

Noreen Tuross

Half course (spring term). Th., 3–6.

The course will include general introduction to soil chemistry, and a focus on anthropogenic inputs to soils. It will focus on a field site at the Harvard Forest in Petersham, MA.

Anthropology 2065. Complex Societies of Northern Mesopotamia - (New Course)

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.

***Anthropology 2070a (formerly *Anthropology 207). Archaeological Method and Theory: Seminar**

Catalog Number: 4634

Jeffrey Quilter

Half course (spring term). W., 6–9 p.m. EXAM GROUP: 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 (spring term). Hours to be arranged.

Seminar for graduate students that will focus on grant and paper writing, and will also include selected case studies.

Note: Expected to be given in 2008–09. 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 2090. Economic Archaeology: Culture Contact]

Catalog Number: 4951

Rowan K. Flad

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

A seminar on economic archaeology focused on culture contact. Topics include trade (particularly trade diasporas), world-systems, ethnicity, shared material culture, and regional religious traditions.

Note: Expected to be given in 2009–10.

[Anthropology 2092. Early China: Archaeology and Texts] - (New Course)

Catalog Number: 9379

Rowan K. Flad and Michael J. Puett

Half course (fall term). Hours 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 2008–09. Advanced undergraduates welcome.

[Anthropology 2110r (formerly Anthropology 211r). Issues in Mesoamerican Archaeology: Seminar]

Catalog Number: 7276

William L. Fash

Half course (fall term). M., 3–6. EXAM GROUP: 8, 9

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 2008–09.

[Anthropology 2115. Origins of Andean Complex Societies]

Catalog Number: 0723

Jeffrey Quilter

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

This class is an intensive study of the origins of complex societies in the ancient Andes, one of the great centers of "pristine civilization." It will concentrate on Peru and focus on the Middle Preceramic to the beginnings of Chavin and the Early Horizon. The seminar will emphasize discussion based on readings and include class presentations and joint meetings with a similar class at Yale University.

Note: Expected to be given in 2008–09.

[Anthropology 2175. The Inca Quipu](#)

Catalog Number: 0329

Gary Urton

Half course (spring term). M., 2–4. EXAM GROUP: 7



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.

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](#)

[Foreign Cultures 34. Mesoamerican Civilizations](#)

[Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in Andean South America - \(New Course\)](#)

[*Freshman Seminar 44j. The Aztecs and Maya](#)

[Science B-64. Feeding the World; Feeding Yourself](#)

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States](#)

Biological Anthropology

Primarily for Undergraduates

[*Anthropology 91yr \(formerly Anthropology 91r\). Supervised Reading and Research - \(New Course\)](#)

Catalog Number: 5992

Daniel E. Lieberman

Half course (fall term; repeated spring term). Hours to be arranged.

Special study of selected topics in Biological Anthropology, given on an individual basis and directly supervised by a member of the Biological Anthropology Faculty. May be taken for a letter grade or Pass/Fail. Signature of faculty supervisor required.

[*Anthropology 97y. Sophomore Tutorial in Biological Anthropology](#)

Catalog Number: 3170

Daniel E. Lieberman

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 physiology 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 biological anthropology concentrators.

[*Anthropology 99y \(formerly Anthropology 99\). Tutorial - Senior Year - \(New Course\)](#)

Catalog Number: 0455



Daniel E. Lieberman

Full course. Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty adviser required.

Primarily for Graduates

[Anthropology 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.

[Anthropology 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 undergraduates doing senior thesis research in this area.

Prerequisite: Biological Sciences 50

[Anthropology 2325. Topics in Genetics, Genomics and Evolution]

Catalog Number: 3997

Maryellen Ruvolo

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

Reading and discussion of topics in genetics, genomics and evolution.

Note: Expected to be given in 2008–09.

[*Anthropology 2337r \(formerly *Anthropology 237br\). Advanced Laboratory Methods in Human Endocrinology](#)

Catalog Number: 5345

Susan F. Lipson

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

Note: Intended for students engaged in laboratory research on human endocrinology.

[Anthropology 2350ar \(formerly Anthropology 235ar\). Laboratory Methods in Primate and Human Nutrition I](#)

Catalog Number: 2187

Cheryl D. Knott

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.

[Anthropology 2350br \(formerly Anthropology 235br\). Laboratory Methods in Primate and Human Nutrition II](#)



Catalog Number: 3292

Cheryl D. Knott

Half course (spring 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.

Anthropology 2390ar (formerly Anthropology 239ar). Advanced Laboratory Methods in Primate Endocrinology I

Catalog Number: 9945

Cheryl D. Knott

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

Intended for students engaged in laboratory research on non-human primate endocrinology.

Anthropology 2390br (formerly Anthropology 239br). Advanced Laboratory Methods in Primate Endocrinology II

Catalog Number: 8585

Cheryl D. Knott

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

Intended for students engaged in laboratory research on non-human primate endocrinology.

Anthropology 2430 (formerly Anthropology 229). Behavioral Biology Seminar

Catalog Number: 3777

Richard W. Wrangham

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

Reading and discussion of current research in behavioral biology of primates (including humans).

Note: Required of entering graduate students in biological anthropology. Open to other graduate students with permission of instructor. Limited to graduate students. Given in alternate years.

[Anthropology 2442. Primate and Human Juveniles]

Catalog Number: 7176

Cheryl D. Knott

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

An examination of the juvenile and adolescent period in primates and humans. Considered are life history, anatomical and social development, puberty, gender differences, ethnopediatrics, parenting, weaning and constraint of juveniles on adult behavior and social systems.

Note: Expected to be given in 2008–09. Graduate students or with permission of instructor.

[Anthropology 2452. Evolution of Human Family] - (New Course)

Catalog Number: 5030

Cheryl D. Knott and Karen L. Kramer

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

An exploration of the roles mothers, fathers, grandfathers, siblings and others take in caring for dependent offspring, food procurement, and the division of labor. Relevant literature on living foragers and non-human primates will be examined.

Note: Expected to be given in 2008–09. Graduate students or with permission of the instructor.



[Anthropology 2460. Issues in Human Evolution - \(New Course\)](#)

Catalog Number: 1073

Daniel E. Lieberman and David Pilbeam

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

Topics will include origins of hominids, radiation of hominins, origins of the genus *Homo*, and origins of *Homo sapiens*.

[Anthropology 2467r. Topics in Human Reproductive Ecology - \(New Course\)](#)

Catalog Number: 5551

Peter T. Ellison

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Reading and discussion of current literature in primate and human reproductive ecology. Open to graduate students and advanced undergraduates. A basic understanding of reproductive endocrinology is assumed.

[*Anthropology 2595ar \(formerly *Anthropology 295ar\). Laboratory Methods in Evolutionary Genetics](#)

Catalog Number: 7934

Maryellen Ruvolo

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

Note: Limited to graduate students and undergraduates conducting senior thesis research.

[*Anthropology 2595br \(formerly *Anthropology 295br\). Laboratory Methods in Evolutionary Genetics](#)

Catalog Number: 6468

Maryellen Ruvolo

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

Note: Limited to graduate students and undergraduates conducting senior thesis research.

Cross-listed Courses

[*Freshman Seminar 21j. Human Evolution]

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

[Life Sciences 2. Evolutionary Human Physiology and Anatomy - \(New Course\)](#)

[*Mind, Brain, and Behavior 152. Consumable Science - \(New Course\)](#)

[*OEB 121a. Advanced Structure and Physiology of the Vertebrates](#)

[*Psychology 1151. Cognitive Evolution: Theory and Practice](#)

[*Psychology 1152r. Cognitive Evolution Lab](#)

[Science B-27. Human Evolution](#)

[Science B-29. Evolution of Human Nature]

Social Anthropology

Primarily for Undergraduates



Anthropology 91zr (formerly Anthropology 91r). Supervised Reading and Research - (New Course)

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 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 92zr (formerly Anthropology 92r). Research Methods in Museum Collections - (New Course)

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

Kimberly Theidon

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

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 arranged.

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 - (New Course)

Catalog Number: 0787

Mary M. Steedly

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 1600. Watching Us, Seeing Them: A General Introduction to Social Anthropology

Catalog Number: 8296

J. Lorand Matory

Half course (spring term). Tu., Th., at 1. 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.

***Anthropology 1610. Ethnographic Research Methods**

Catalog Number: 2622

Katrina Moore

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

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: Priority to students preparing for senior thesis research. Open to undergraduates only.

Anthropology 1612. Politics of Leisure and Recreation - (New Course)

Catalog Number: 3270

Katrina Moore

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

What do we do in our free time? What's at stake in how we experience leisure? Various theorists have debated the significance of leisure, claiming that it is regulative, coercive, exploitative, restorative, and even transformative. This course analyzes leisure practices and the social relations of leisure in a diverse array of cultural contexts. It explores leisure to illuminate issues of social class, inequality, mobility, resistance, and freedom. Course materials include ethnographies, novels and films.

Anthropology 1614. Gender and Population Change in East Asia - (New Course)

Catalog Number: 5057

Katrina Moore



Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Using demographic shifts as our entry point, this course analyzes changing kinship structures and gender dynamics in East Asian nations experiencing historically unprecedented demographic change. Case studies include rapid decline in fertility in Singapore, graying of the Japanese population, and growing sex-ratio imbalance in rural China. Course takes an anthropological approach to the study of demographic change and focuses in particular on the politics of gender and gender inequalities. Course materials include ethnographies and films.

Anthropology 1615 (formerly Anthropology 108). Anthropology and Human Rights: Contextualizing Universals

Catalog Number: 8509

Theodore Macdonald

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

Combines theory and practice by locating legal and theoretical issues within case studies. Cases focus on ethnic groups, conflict, identity, development, land, and natural resources. Illustrates the utility of ethnographic methods and interpretive anthropological analysis in contextualizing rights violations, debates, and practices. Considers human rights practice within the constraints of national and international law and politics, but emphasizes the value anthropological and historical research and field methods to interpret and expand rights practice.

Anthropology 1622. Encounters with Development - (New Course)

Catalog Number: 8632

Pauline E. Peters (Kennedy School)

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

Presents anthropological perspectives on competing theories, discourses and practices of development; considers development to be inherently contested; and examines the cultural politics of development encounters, social movements, markets, and relevant topics.

Anthropology 1625. Global Food Systems: Research Seminar

Catalog Number: 7806

James L. Watson

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Undergraduate research seminar focusing on global food systems and commodity chains. Each student will work on one category of food (examples include maize, pork, beef, fish, rice, GMO soybeans, chocolate, coffee, sugar, etc.). Requirements: class presentation, regular seminar participation, and a research paper.

Note: Limited to undergraduate students.

Prerequisite: Preference will be given to students who have taken Social Analysis 70, or equivalent courses.

Anthropology 1627. Comparative Secularism - (New Course)

Catalog Number: 7587

Asad A. Ahmed

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

Secularism once understood as a normative political arrangement that promoted social peace and multiple religiosities is increasingly under attack as circumscribing or denying people's abilities



to live according to their religious understandings. This course will examine the accommodations and antagonisms between secularist philosophies and religious sensibilities in comparative context - primarily through a focus on the experience of France, the US and India.

Anthropology 1628. Governing India: The Raj - (New Course)

Catalog Number: 9501 Enrollment: Limited to 20.

Asad A. Ahmed

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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, and sports amongst others.

Note: Graduate students allowed with permission of the instructor.

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

Catalog Number: 9598

Smita Lahiri

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

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 2008–09.

[Anthropology 1635. Human Rights and Social Justice]

Catalog Number: 9261

Kimberly Theidon

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

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 2008–09.

[Anthropology 1640 (formerly Anthropology 104). Language and Culture]

Catalog Number: 5844

Steven C. Caton

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

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: Expected to be given in 2008–09. No previous knowledge of linguistics or of anthropology is required.

Anthropology 1646. Visual and Material Culture of Japan - (New Course)

Catalog Number: 3389 Enrollment: Limited to 15.

David R. Odo

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This seminar draws on the rich Japanese collections of the Peabody Museum, including photographs, armor, and ceramics, to give students hands-on research experience in working with museum objects. Students use the collections to develop an understanding of how anthropologists and others use museum objects as a starting point to explore concepts of visibility, materiality, collecting, and exhibition.

Note: No knowledge of Japanese language required but some familiarity with Japanese history or museology is helpful.

Anthropology 1650 (formerly Anthropology 159). Museums and Representations: Seminar

Catalog Number: 4185 Enrollment: Limited to 12.

Rubie S. Watson

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Treats the ethnographic museum as a focus for historical and cultural study. Through readings, discussions, and research papers, students explore the history of museums and collecting, changing exhibit styles, museum ethics and challenges to traditional museum practices. This is a research seminar for undergraduates and introduces students to research methods involving primary source materials, including museum artifacts and records.

[Anthropology 1655. Politics of Nature]

Catalog Number: 0710

Ajantha Subramanian

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

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.

Note: Expected to be given in 2008–09.

[Anthropology 1665. Humans and Animals]

Catalog Number: 7922

Lucien G. Castaing-Taylor

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

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: Expected to be given in 2008–09.

[Anthropology 1680 (formerly Anthropology 133). From Lost Eden to Perfumed Nightmare: Themes in the Anthropology of the Philippines]

Catalog Number: 9492

Smita Lahiri

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

As a Southeast Asian nation with a history of double colonization by Spain and the US, the Philippines eludes easy categorization within anthropology's regionalist traditions. We use the Philippines to probe some of anthropology's blind spots, and as a springboard for analyzing hierarchy, political culture, religion, and performance through comparisons within and beyond Southeast Asia. Recent topical concerns in anthropology, such as nationalism, marginality, and globalization, will also be explored using Philippine materials.

Note: Expected to be given in 2008–09.

Anthropology 1685. Humans, Aliens, and Future Home Worlds: An Anthropologist Looks at Science Fiction

Catalog Number: 2300

Paulette G. Curtis

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

Science Fiction (SF) is a fascinating genre in which to examine attitudes, ideals, mores and desires concerning culture and society. Through an analysis of some of American SF's most popular and important stories, films, and television series, the course will examine the following themes: the alien; race and 'alternative' SF storytellers; robots, cyborgs and other near-humans; social/anthropological SF; fandom.

[Anthropology 1690 (formerly Anthropology 178). Consuming Passions: Cultures of Materialism in Asia]

Catalog Number: 1201

Smita Lahiri

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

How do objects tell the story of people's lives? How do historical relations of exchange constitute inter-community boundaries and communal identities? What can we read into the explosion of new consumer desires, opportunities and fantasies currently seen in the Asia-Pacific region? Anthropological ideas about "material culture" used to work through contemporary formations of national, gender, sexual, and ethnic identity, primarily but not exclusively in South and Southeast Asia.

Note: Expected to be given in 2008–09.

Anthropology 1702. Gender, Medicine and Care - (New Course)

Catalog Number: 4188



Jessica Mulligan

Half course (fall term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

This class explores how the production of medical knowledge and the provision of health care are gendered through close readings of ethnographic case studies of care delivery, reproduction and aging. Theoretical readings in medical anthropology and feminist science studies will consider the scientific principles upon which sex dimorphism is based and the diverse practices that gender health and illness.

Anthropology 1704. Anthropology of the Market in Latin America - (New Course)

Catalog Number: 3397

Jessica Mulligan

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Market based economic reform projects have been implemented throughout Latin America for the last thirty years. Drawing from political and economic anthropology, this class asks, what are markets? How are they created? How have economic reform projects reconfigured regional, national, and local cultural formations? How do market interventions reshape local lived experience?

[Anthropology 1710. Memory Politics: Truth, Justice, Redress]

Catalog Number: 3793

Kimberly Theidon

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

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, 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, Japan, Guatemala, and Peru.

Note: Expected to be given in 2008–09.

Anthropology 1720 (formerly Anthropology 120). Anthropology, Cultural Studies, and Film

Catalog Number: 1522

Steven C. Caton

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Focuses on feature-length commercial film (rather than ethnographic or documentary film) and some of the culture industries (Hollywood and Iran) that produce them. 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, media studies, modernity, nationalism, and transnationalism.

Note: Graduate students may enroll and make arrangements for specialized readings and assignments.

[Anthropology 1746. Imperialism and Islamism: Seminar]

Catalog Number: 7889 Enrollment: Limited to 20.

Engseng Ho



Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Does Islam have a transnational past, and what relations did European empires have to that past? We develop answers to these questions, reading case studies and original source material. These provide perspectives on the current conflict between the U.S. and its Islamist opponents, and enable critical engagement with current debates on the nature of global Islamist politics and on the U.S. as an imperial power.

Note: Expected to be given in 2008–09.

[Anthropology 1760 (formerly Anthropology 153). Nationalism and Bureaucracy]

Catalog Number: 0291 Enrollment: Limited to 20.

Michael Herzfeld

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

Explores the ideological and practical foundations and effects of nationalism. Particular attention focused on how nationalism is reproduced by bureaucrats in daily practice, and how rituals of national identity are organized and invested with meaning. Cases include systems of taxation, historic conservation, health care, and immigration. This comparative course covers several different countries and systems, and is designed to highlight the contribution of ethnography to the analysis of national bureaucracies.

Note: Expected to be given in 2008–09.

Anthropology 1795. The Politics of Language and Identity in Latin America

Catalog Number: 7265

Catalina Laserna

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

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.

Anthropology 1820. Japan in the Ethnographic Gaze: Seminar

Catalog Number: 1267 Enrollment: Limited to 15.

Theodore C. Bestor

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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.

[Anthropology 1825. Global Health and Social Justice] - (New Course)

Catalog Number: 9587 Enrollment: Limited to 100.

Jim Yong Kim (Public Health) and Paul Farmer (Public Health)

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

Over the past decade, interest in global health has grown dramatically. Explores the historical



roots and social evolution of the global health field using historical documents, ethnographies, documents from global health institutions and the personal experience of the instructors. After an overview of the colonial roots of the current global health discourse, the course examines a number of seminal debates, interventions and prospects for the future in global health.

Note: Expected to be given in 2008–09.

***Anthropology 1850. Ethnography as Practice and Genre**

Catalog Number: 1686 Enrollment: Limited to 30.

Mary M. Steedly

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

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.

Prerequisite: Open to graduate students with permission of instructor.

Anthropology 1870. Island Southeast Asia: Circulating Cultures

Catalog Number: 5149

Mary M. Steedly

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

An introduction to island Southeast Asia (Indonesia, Philippines, Malaysia, Singapore, Brunei) emphasizing circulations of people, goods, ideas, beliefs, wealth, power, and images. Island Southeast Asia has a long history of involvement in global networks of economic distribution, exchange and appropriation. We will focus on cultural dimensions of such circulations, with topics to include urban gridlock, gay slang, terrorism, theme parks, female labor, political crisis, new media, democratization, and the lifestyles of the rich and famous.

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.

***Anthropology 1881. China After Mao: Seminar**

Catalog Number: 4642 Enrollment: Limited to 12.

Rubie S. 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 1930. Culture Wars in Eurasia - (New Course)

Catalog Number: 1102

John S. Schoeberlein

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Explores contestation of culture in Eurasia - Central Asia, and the broader region from Crimea to Mongolia. Since the early 1900s, claims about "the right kind of culture" have been asserted in pursuit of modernity, state legitimacy, mobilization of resistance, artistic and spiritual authenticity, social harmony or creation of a compliant populace, among other goals. Course explores the anthropology of identity construction, authority, social mobilization, and cultural hybridity in the diverse and changing world of Eurasia.

Note: This course is intended primarily for advanced undergraduates and graduate students.

Anthropology 1980. Anthropology at Home: War and the US

Catalog Number: 2145

Paulette G. Curtis

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course will examine war from an anthropological and ethnographic perspective. How soldiers experience it, militaries mobilize to fight it, societies represent and commemorate it, and finally, anthropologists and other cultural (hi)storytellers analyze and represent it will concern this seminar. The modern, contemporary US and its military (World War II to Desert Storm) is the focus.

Anthropology 1990. History of Anthropological Theory - (New Course)

Catalog Number: 1259

Steven C. Caton

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

This course provides an overview of anthropological theory in the three traditions - British, French and U.S. - that have historically constituted it. Among the topics to be covered are: the American concept of culture and cultural relativism; Malinowskian functionalism; French structuralism; Geertz' interpretation of cultures; reflexive ethnography; and post-structuralism.

History of Art and Architecture 139j. Narrating Life and Death: Myths on Roman Sarcophagi - (New Course)

Catalog Number: 1094 Enrollment: Limited to 15.

Ruth Bielfeldt and Ioli Kalavrezou

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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: Open to qualified undergraduates and graduates.

Primarily for Graduates



[Anthropology 2620. Global Christianities]

Catalog Number: 7267

Smita Lahiri

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

Examines Christianity's global dissemination through historical and ethnographic texts.

Develops a comparative perspective on Christianity's global forms, including Protestant evangelicalisms, "folk" Catholicisms, and heretical offshoots.

Note: Expected to be given in 2008–09.

[Anthropology 2622. Fieldwork Methods] - (New Course)

Catalog Number: 5469 Enrollment: Limited to 12.

Steven C. Caton and Jocelyne Cesari (Divinity School)

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

Qualitative and quantitative research methods used in anthropological fieldwork. Application in field settings is emphasized. Students working on a variety of topics are welcome, though emphasis will be on the Boston area.

Note: Expected to be given in 2008–09.

***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

Smita Lahiri

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

Develops a critique of religion's place in anthropological theory. Recuperates valuable legacies from classic anthropology and conjoins them with insights from social and literary theory for analyzing contemporary formations of belief, practice, and power.

Note: Expected to be given in 2008–09. Limited to graduate students, who will also be expected to attend all Anthropology 1630 lectures.

***Anthropology 2635. Image/Media/Publics: Seminar**

Catalog Number: 9515 Enrollment: Limited to 15.

Mary M. Steedly

Half course (spring 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 2636. Ethnography of the State]

Catalog Number: 9299

Asad A. Ahmed

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

This course introduces anthropological theory and ethnographic descriptions of the state.

Following recent anthropological inquiry we seek to rethink the state, and thereby domination, authority and resistance, by attending to state practices, rituals and representations.

Note: Expected to be given in 2008–09. Open to undergraduate students with permission of the 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.

Note: Expected to be given in 2008–09.

***Anthropology 2650a. History and Theory of Social Anthropology: Proseminar**

Catalog Number: 1752

J. Lorand Matory

Half course (fall term). Th., 1–4. EXAM GROUP: 15, 16, 17

A critical review of the major theoretical approaches in social anthropology.

Note: 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

Steven C. Caton

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

Continuation of Anthropology 2650a.

Note: Limited to, and aimed at, doctoral candidates. Not open to undergraduates.

[Anthropology 2660 (formerly Anthropology 221). The Anthropology of Knowledge: Seminar]

Catalog Number: 7070

Michael Herzfeld

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Comparative exploration of local epistemologies from craft apprentices and skilled manual workers to schoolchildren 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 2008–09.

[Anthropology 2670 (formerly Anthropology 264). Anthropology and the Uses of History]

Catalog Number: 9103

Michael Herzfeld

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

Examines political and social uses of history, especially nationalism, opposition to state power, and local perspectives that ordinarily escape “official” historians. Gender, political affiliation, and status are examined for impact on interpretations of the past.

Note: Expected to be given in 2008–09. Given in alternate years. May count for graduate ethnography.

Anthropology 2672. The Politics of Mereness

Catalog Number: 1348 Enrollment: Limited to 15.

Michael Herzfeld 3122

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

This political anthropology course proposes that nationalism and globalism depend on hegemonic “common sense” and defend it by trivializing its key symbols. Special emphasis will be given to notions of cultural intimacy and political banality.

Anthropology 2675. Secularism, Religion, and Nation in Modern South Asia

Catalog Number: 2639

Asad A. Ahmed

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course attempts to understand the recent successes of religio-political movements in South Asia. This involves both a theoretical interrogation and genealogy of religion, nationalism, and secularism as well as attention to their historical elaboration.

Note: Open to undergraduate students with permission of instructor.

Anthropology 2677. Language and the Legal Process - (New Course)

Catalog Number: 9375

Asad A. Ahmed

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

This course will examine the imbrications of law and language by focusing on narrative and rhetorical performances, the legal adjudication of linguistic and representational offences and processes of transcription and translation in courts.

Note: Undegraduates allowed with permission of instructor.

Anthropology 2680 (formerly Anthropology 263). Globalization and Culture

Catalog Number: 5127

James L. Watson

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

Examines recent theories of transnationalism and globalism, with emphasis on popular culture (music, TV, entertainment, food systems, etc.). Focus on debates regarding cultural imperialism and the effects of transnational corporations on “local” cultures.



Anthropology 2688. The Frankfurt School, Film, and Popular Culture - (New Course)

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: 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.

Steven C. Caton

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, and Yemen. Among the theoretical topics to be considered are orientalism, colonialism and post-colonialism, nationalism, self, gender, and tribalism.

Note: Expected to be given in 2008–09.

Prerequisite: Anthropology 1600 for undergraduate students; Anthropology 2650a and Anthropology 2650b for graduate students.

[Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology]

Catalog Number: 4411

Steven C. Caton

Half course (fall term). Th., 5–7 p.m. EXAM GROUP: 18

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 2008–09. Limited to graduate students, who will also be expected to attend all Anthropology 1640 lectures.

[Anthropology 2705. Political Economy in Anthropology]

Catalog Number: 9582

Engseng Ho

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

Course examines how economic facts are embedded in larger social contexts. Ethnographies and theoretical perspectives provided: classical political economy, neoclassical/formalist economics and its substantivist/institutionalist rivals, Marxism, development studies, world systems, cultural production, and gift exchange.

Note: Expected to be given in 2008–09.

Anthropology 2735. The Anthropology of Science: Methods and Theory - (New Course)

Catalog Number: 4310

Duana Fullwiley



Half course (fall term). M., 12–2. EXAM GROUP: 5, 6

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.

[Anthropology 2740 (formerly Anthropology 245). Culture and Mental Illness]

Catalog Number: 6013

Byron J. Good (Medical School)

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

Reviews the figure of mental illness in Western thought, then focuses on cross-cultural studies of psychopathology: culture and diagnosis; cultural influences on depression, schizophrenia, and dissociation; madness in non-European healing systems; transnational aspects of psychiatry.

Note: Expected to be given in 2008–09.

[Anthropology 2750 (formerly Anthropology 250). Local Biologies: Perspectives on the Interaction Between Culture and Biology]

Catalog Number: 8267

Arthur Kleinman

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

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 2008–09. Open to advanced undergraduates with permission of instructor.

Anthropology 2765. Topics in Medical Anthropology - (New Course)

Catalog Number: 7015

Kimberly Theidon

Half course (spring term). W., 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 2778. Development: History, Theory, Politics - (New Course)

Catalog Number: 4942

Ajantha Subramanian

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Considers development as a project of rule and a politics of rights by examining colonial capitalism, anticolonial nationalism, postcolonial state formation, neoliberal transformation, and popular mobilization. Empirical readings focus primarily on colonial and postcolonial contexts.

Note: Limited to graduate students.

[Anthropology 2780. Culture and Citizenship]

Catalog Number: 4769

Ajantha Subramanian



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

Considers citizenship as a form of political belonging that is lived collectively and culturally as a modality for the elaboration of social inequality. Interrogates how transnational processes inform national frameworks of belonging and rights.

Note: Expected to be given in 2008–09. Limited to graduate students.

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.

***Anthropology 2810r. Research Seminar on the Middle East and Islamic Frontiers**

Catalog Number: 1690

Asad A. Ahmed (spring term) and Engseng Ho (fall term)

Half course (fall term; repeated spring term). Fall: W., 5–7 p.m. EXAM GROUP: Fall: 9

Seminar for doctoral students exploring ways of integrating social scientific, humanistic, and transregional approaches in their writing projects. Shared regional knowledge will provide a platform for advanced theoretical and methodological explorations.

Anthropology 2830 (formerly Anthropology 223). Mobility

Catalog Number: 6998

Engseng Ho

Half course (fall term). Tu., 5:30–7:30 p.m. EXAM GROUP: 18

Seminar explores theories (e.g. Locke on portable property), vehicles (boats), travelers (pirates, pilgrims, migrants), media (books, money, gravestones, genealogies) to recognize the phenomenon of mobility and its consequences. Emphasizes external rather than internal social relations.

***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: 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.

Lucien G. Castaing-Taylor

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

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 (formerly Anthropology 268). Ethnography and Personhood

Catalog Number: 3560

Michael Herzfeld

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

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.

***Anthropology 2845. Media Anthropology Theory**

Catalog Number: 5422

Lucien G. Castaing-Taylor

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

Seminar offering a critical overview of the field of media anthropology, as it has developed over the last half century. Attention will be on the media as both an object and a genre of anthropology.

Note: Students must attend all VES 189 classes.

***Anthropology 2850r (formerly *Anthropology 271r). Practicum in Foreign-Language Ethnography**

Catalog Number: 9856

Michael Herzfeld and members of the Department

Half course (fall 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: 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

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

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: Expected to be given in 2009–10. Open to undergraduates.

[Anthropology 2870 (formerly Anthropology 1780). Transgressive Texts: Contemporary Latin American Ethnography]

Catalog Number: 3347



Kimberly Theidon

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

A reading seminar of ethnographic accounts of globalization, identity formation, and political action in Latin America. We explore cultural forms and materials conditions, locating the politics of representation within fields of power and conflict.

Note: Expected to be given in 2008–09.

Cross-listed Courses

[**African and African American Studies 12. What is Black Religion?: An Introduction - \(New Course\)**](#)

[**Foreign Cultures 74. Cultures of Southern Europe**](#)

[**Foreign Cultures 84. Tokyo**](#)

[**Foreign Cultures 86. West African Cultures**](#)

[**Religion 1001. Religion and Ethnography - \(New Course\)**](#)

[**\[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology\]**](#)

[**\[Social Analysis 70. Food and Culture\]**](#)

[**Visual and Environmental Studies 189. Exploring Culture Through Film**](#)

Graduate Courses of Reading and Research

***Anthropology 3000 (formerly *Anthropology 300). Reading Course**

Catalog Number: 3454

Members of the Department

Special reading in selected topics under the direction of members of the Department.

Note: Consult the appropriate member of the Department.

***Anthropology 3001 (formerly *Anthropology 301). 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 (formerly *Anthropology 3023). Old World Archaeology (Europe, Asia, and Africa)**

Catalog Number: 3463

Offer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, and Richard H. Meadow 1572

***Anthropology 3111 (formerly *Anthropology 3024). Asiatic Archaeology and Ethnography**

Catalog Number: 5398

Rowan K. Flad 5059, C. C. Lamberg-Karlovsky 2387, and Lawrence E. Stager 1468



***Anthropology 3120 (formerly *Anthropology 3027). Scientific Archaeology**

Catalog Number: 0284

Richard H. Meadow 1572 and Noreen Tuross 4845 (fall term only)

***Anthropology 3130 (formerly *Anthropology 3029). Archaeology and Ethnography of the Near and Middle East**

Catalog Number: 3787

Ofer Bar-Yosef 1887 and C. C. Lamberg-Karlovsky 2387

***Anthropology 3140 (formerly *Anthropology 3110). Methods and Theory in Archaeology**

Catalog Number: 5440

Ofer Bar-Yosef 1887, C. C. Lamberg-Karlovsky 2387, Richard H. Meadow 1572, and Noreen Tuross 4845 (fall term only)

***Anthropology 3300 (formerly *Anthropology 330). 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 3310 (formerly *Anthropology 3005). Experimental Methods in Biological Anthropology**

Catalog Number: 9602

Daniel E. Lieberman 3980

***Anthropology 3320 (formerly *Anthropology 320). Advanced Biological Anthropology: Laboratory and Dissertations**

Catalog Number: 2092

John C. Barry 1892, Peter T. Ellison 7413, Cheryl D. Knott 3717, Daniel E. Lieberman 3980, David Pilbeam 7224, Maryellen Ruvolo 2512, and Richard W. Wrangham 2349

***Anthropology 3400 (formerly *Anthropology 340). Reading and Research**

Catalog Number: 6699

John C. Barry 1892, Theodore C. Bestor 2292, Lucien G. Castaing-Taylor 4584, Steven C. Caton 2307, Paulette G. Curtis 4474, Peter T. Ellison 7413, William L. Fash 1512, Byron J. Good (Medical School) 7648, Michael Herzfeld 3122, Engseng Ho 3094 (on leave spring term), Arthur Kleinman 7473 (on leave 2007-08), Cheryl D. Knott 3717, Karen L. Kramer 5769, C. C. Lamberg-Karlovsky 2387, Daniel E. Lieberman 3980, J. Lorand Matory 3098, Richard H. Meadow 1572, Sally F. Moore 7225, David Pilbeam 7224, Maryellen Ruvolo 2512, Mary M.



Steadly 2783, Ajantha Subramanian 4618, James L. Watson 2172, Rubie S. Watson 3326, and Richard W. Wrangham 2349

***Anthropology 3500 (formerly *Anthropology 351). Direction of Doctoral Dissertations**

Catalog Number: 1864

Members of the Department

Note: Consult the appropriate member of the Department.

***Anthropology 3600 (formerly *Anthropology 3004). Current Issues in Biological Anthropology**

Catalog Number: 9373

Peter T. Ellison 7413, Cheryl D. Knott 3717, Karen L. Kramer 5769, Daniel E. Lieberman 3980, David Pilbeam 7224, Maryellen Ruvalo 2512, Richard W. Wrangham 2349, and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly seminars in biological anthropology.

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, Tutor in Biochemical Sciences (*Director of Undergraduate Studies*) (*on leave spring term*)

Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science

Marie D. Dahleh, Lecturer on Engineering Sciences

Natasha Devroye, Lecturer on Applied Mathematics

Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

Navin Khaneja, Associate Professor of Electrical Engineering on the Gordon McKay Endowment

Zhiming Kuang, Assistant Professor of Climate Science

L. Mahadevan, Lola England Professor of Applied Mathematics

Shreyas Mandre, Lecturer on Applied Mathematics

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences



Scott A. Norris, Lecturer on Applied Mathematics
David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences
James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics
Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
Zhigang Suo, Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials
Vahid Tarokh, Perkins Professor of Applied Mathematics
Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
(*on leave fall term*)
Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
Patrick J. Wolfe, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Other Faculty Offering Instruction in Applied Mathematics

Drew Fudenberg, Frederic E. Abbe Professor of Economics (*on leave spring term*)
Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics, Emeritus

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

Vahid Tarokh and Natasha Devroye

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 Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 1b or equivalent.



Applied Mathematics 21b. Mathematical Methods in the Sciences

Catalog Number: 5074

Vahid Tarokh and Natasha Devroye

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.

Prerequisite: Applied Mathematics 21a or equivalent.

Applied Mathematics 50 (formerly Applied Mathematics 50hf). Introduction to Applied Mathematics

Catalog Number: 9344

Marie D. Dahleh

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 (fall term) and Marie D. Dahleh (spring term)

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 (fall term) and Marie D. Dahleh (spring term)

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 (formerly Engineering Sciences 101). Statistical Inference for Scientists and Engineers

Catalog Number: 3350

Patrick J. Wolfe

Half course (fall term). M., W., 2–3:30. 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.

Prerequisite: Applied Mathematics 21b or Mathematics 21b or equivalent.

Applied Mathematics 105a. Complex and Fourier Analysis

Catalog Number: 7732

Zhigang Suo and Scott A. Norris

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

Functions of a complex variable: mapping, integration, branch cuts, series. Fourier series; Fourier and Laplace transforms; transforms applied to differential equations and data analysis; convolution and correlation; elementary probability theory.

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

James R. Rice and Shreyas Mandre

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



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

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.

Note: Expected to be given in 2008–09.

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); Eli Tziperman and Drew Fudenberg (spring term)

Half course (fall term; repeated spring term). Tu., Th., 11:30–1. EXAM GROUP: 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 - (New Course)

Catalog Number: 3187 Enrollment: Limited to 40.

David C. Parkes

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

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 Engineering Sciences 101 or permission of instructor.

Applied Mathematics 147. Nonlinear Dynamical Systems

Catalog Number: 7708

Scott A. Norris

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

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.

Prerequisite: Mathematics 21a and 21b, or Applied Mathematics 21a and 21b.

Cross-listed Courses

Earth and Planetary Sciences 100. Computer Tools for Earth Sciences
MCB 111 (formerly MCB 211). Mathematics in Biology

Primarily for Graduates

Applied Mathematics 201. Physical Mathematics I

Catalog Number: 3241

L. Mahadevan

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

Eric Michael Dunham

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 203 (formerly Applied Mathematics 203r). Nonlinear Dynamics and Chaos]

Catalog Number: 6336

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

Basic concepts of nonlinear physics, dynamical system theory, and chaos, demonstrated using simple model systems, ODEs, discrete maps, and examples from applications. Analytical and geometrical methods for both experimental and model nonlinear systems.

Note: Expected to be given in 2008–09.

Prerequisite: Knowledge of ordinary differential equations.

Applied Mathematics 204. Geometrical Methods in the Physical and Engineering Sciences - (New Course)

Catalog Number: 1763

Jene A. Golovchenko

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

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: 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. EXAM GROUP: 15, 16

Computational methods at a sophisticated analytic level. Practical exercises emphasized. A wide range of topics from linear algebra to Fourier analysis will be covered.

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

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

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: Expected to be given in 2008–09. Meets with Applied Mathematics 106. Students enrolled in Applied Mathematics 206 will be assigned additional readings.

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.

Applied Mathematics 212. Numerical Solution of Differential Equations

Catalog Number: 6127

Donald G. M. Anderson

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

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 omitted in 2008-09. Offered in alternate years.

Prerequisite: Applied Mathematics 211, or equivalent; Applied Mathematics 202 or 210 would be helpful.

Applied Mathematics 299r. Special Topics in Applied Mathematics

Catalog Number: 5798

Howard A. Stone

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.

Graduate Courses of Reading and Research



Reading courses are odd-numbered; research courses are even-numbered.

***Applied Mathematics 311,312. Numerical Mathematics**

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 (on leave spring term)

***Applied Mathematics 319,320. Topics in Continuum Mechanics and Biological Physics**

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 323,324. Applied Mathematics in Physical Sciences**

Catalog Number: 1149,5221

Howard A. Stone 2073

***Applied Mathematics 331,332. Theoretical Mechanics in the Earth and Engineering Sciences**

Catalog Number: 0112,0251

James R. Rice 7270

***Applied Mathematics 333,334. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 4947,4948

Allan R. Robinson 2133

***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
Michael J. Aziz, Gordon McKay Professor of Materials Science (*on leave fall term*)
David C. Bell, Lecturer on Applied Physics (*spring term only*)
Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences (*on leave spring term*)
Federico Capasso, Robert L. Wallace Professor of Applied Physics
Kenneth B. Crozier, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science, Associate of Leverett House
Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
Fawwaz Habbal, Senior Lecturer on Applied Physics
Donhee Ham, John L. Loeb Associate Professor of the Natural Sciences
Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics (*on leave spring term*)
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave fall term*)
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
Vinothan N. Manoharan, Assistant Professor of Physics and Chemical Engineering
Paul C. Martin, John Hasbrouck Van Vleck Professor of Pure and Applied Physics (*on leave fall term*)
Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
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
Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy



Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
(*on leave fall term*)

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 (*on leave spring term*)

Other Faculty Offering Instruction in Applied Physics

Eugene A. Demler, Professor of Physics

Allan R. Robinson, Gordon McKay Professor of Geophysical Fluid Dynamics, Emeritus

Subir Sachdev, 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 190. Materials Physics]

Catalog Number: 1087

Joanna Aizenberg

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

Introduces undergraduates in engineering and physics to the scientific basis of our understanding of the structure and properties of materials. Topics to be covered include chemical bonding and its relation to structure; crystallography; diffraction; defects in crystals and their effects on material behavior; electrical, thermal and mechanical properties.

Note: Expected to be given in 2008–09.

Prerequisite: Thermodynamics (Engineering Sciences 181, Physics 181, or equivalent), Physics 11a and b, or Physics 15a and b, and Applied Mathematics 21a and b or Mathematics 21a and b.

[Applied Physics 195. Introduction to Solid State Physics]

Catalog Number: 1842

Robert M. Westervelt

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

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 2008–09. 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**](#)

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

Lene V. Hau

Half course (spring 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, 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 2008–09.

Prerequisite: A class in electromagnetism/electrodynamics.

[Applied Physics 217. Applications of Modern Optics]

Catalog Number: 6965

Lene V. Hau

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

Optics in biology, single-molecule studies. Polymerase/DNA, optical trapping of molecules, Raman spectroscopy, 2-photon microscopy for brain studies and cell imaging. Nano-optics. Atom interferometry, navigational gyroscopes. Frequency combs, atom clocks, global positioning system.

Note: Expected to be given in 2009–10.

Prerequisite: A course in electromagnetism.

[**Applied Physics 218. Electrical, Optical, and Magnetic Properties of Materials**](#)

Catalog Number: 9804

Shriram Ramanathan

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

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

Vinothan N. Manoharan

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 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

Subir Sachdev

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

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 laboratory to be arranged. EXAM GROUP: 7, 8

Lectures and laboratory instruction on transmission electron microscopy (TEM) 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

Michael J. Aziz

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

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.

Prerequisite: An undergraduate-level course in thermodynamics.

Applied Physics 293. Deformation of Solids

Catalog Number: 6796

Frans A. Spaepen

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

Frans A. Spaepen and Michael J. Aziz

Half course (throughout the year). Th., at 1. EXAM GROUP: 15

Special topics in materials science.

Prerequisite: Consult with course heads.

[Applied Physics 295a. Introduction to Quantum Theory of Solids]

Catalog Number: 6937

Half course (spring 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.

Note: Expected to be given in 2008–09.

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

Eugene A. Demler

Half course (fall 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. Subjects from the physics of strongly correlated systems of ultracold atoms will also be considered.

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

Lectures on Nanoscale Science and Engineering will present the fundamental concepts, with



examples from current research in three areas: Tools for Integrated Nanobiology, Nano Building Blocks, and Imagining at the Nanoscale.

Note: A paper and oral presentation will be required. In 2008, Materials Research Science and Engineering will be presented.

Applied Physics 299r. Special Topics in Applied Physics

Catalog Number: 2103

Venkatesh Narayanamurti

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

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

***Applied Physics 303,304. Materials Science of Biological Inorganic Nanostructures - (New Course)**

Catalog Number: 3564,9306

Joanna Aizenberg 5876

***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 (on leave spring term)

***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

***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 fall term)

***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 (on leave spring term)

***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 (on leave fall term)

***Applied Physics 355,356. Special Topics in Theoretical Engineering**

Catalog Number: 4864,9197

Michael P. Brenner 4101 (on leave spring term)

***Applied Physics 357,358. Nanophotonics and Scanning Near-Field Optical Microscopy**

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 (on leave spring term)



***Applied Physics 361,362. Photonics, Quantum Devices and Nanostructures**

Catalog Number: 9431,9506

Federico Capasso 4571

***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

***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 381,382. Special Topics in Fluid Dynamics**

Catalog Number: 4554,2668

Howard A. Stone 2073

***Applied Physics 383,384. Topics in Atmospheric and Climate Dynamics**

Catalog Number: 3214,3221

Zhiming Kuang 5285

***Applied Physics 385,386. Dynamics of the Ocean; Interdisciplinary Modeling; Geophysical Fluid Dynamics**

Catalog Number: 2878,2879

Allan R. Robinson 2133

***Applied Physics 387,388. Climate Dynamics and Physical Oceanography**

Catalog Number: 3549,8599

Eli Tziperman 4748 (on leave fall term)

***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 (on leave fall term)

***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

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies (*Chair*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art

C. C. Lamberg-Karlovsky, Stephen Phillips Professor of Archaeology and Ethnology

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages

Michael McCormick, Francis Goellet Professor of Medieval History

Richard H. Meadow, Senior Lecturer on Anthropology

Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity

Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture

Lawrence E. Stager, Dorot Professor of the Archaeology of Israel

Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave 2007-08*)

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, 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.

Core Curriculum

[Foreign Cultures 12. Sources of Indian Civilization]

[Foreign Cultures 34. Mesoamerican Civilizations](#)

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road](#)

[Foreign Cultures 86. West African Cultures](#)

[Foreign Cultures 93. Pathways through the Andes—History, Culture, and Politics in Andean South America - \(New Course\)](#)

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

[Historical Study A-16. Modern South Asian Global History](#)

[Historical Study B-06. The Roman Games]

[Historical Study B-41. Inventing New England: History, Memory, and the Creation of a Regional Identity]

[Literature and Arts B-21. The Images of Alexander the Great](#)

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

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

[Science B-27. Human Evolution](#)

[Science B-29. Evolution of Human Nature]

[Science B-64. Feeding the World; Feeding Yourself](#)

[Social Analysis 50. Urban Revolutions: Archaeology and the Investigation of Early States](#)

[Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy](#)

Freshman Seminars

[*Freshman Seminar 21j. Human Evolution]

[*Freshman Seminar 34v. Eating and Drinking in the Classical World - \(New Course\)](#)

[*Freshman Seminar 38g. Back to Life: Lost Languages and Decipherment](#)

[*Freshman Seminar 44j. The Aztecs and Maya](#)

Anthropology



[Anthropology 1000 (formerly Anthropology 100). World Prehistory: Archaeological Approaches to Ancient Societies]

[Anthropology 1010 \(formerly Anthropology 101\). Introduction to Archaeology](#)

[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar]

[Anthropology 1030. Religions of Mesoamerica]

[Anthropology 1040 \(formerly Anthropology 140\). Origins of the Food We Eat](#)

[Anthropology 1045. Ancient Settlement Systems: Seminar]

[Anthropology 1060. Archaeological Science](#)

[Anthropology 1085. Six Great Discoveries in New World Archaeology](#)

[Anthropology 1088. Great Women in Archaeology - \(New Course\)](#)

[Anthropology 1090. Ethnography and Archaeology]

[Anthropology 1120. Comparative Analysis of Ancient Civilizations](#)

[Anthropology 1130. Archaeology of Harvard Yard](#)

[Anthropology 1131. Archaeology of Harvard Yard II: Laboratory Methods and Analysis - \(New Course\)](#)

[Anthropology 1150 (formerly Anthropology 2063). Ancient Landscapes]

[Anthropology 1165. Digging the Glyphs: Adventures in Decipherment](#)

[Anthropology 1174 (formerly Anthropology 174). The Incas]

[Anthropology 1175 (formerly Anthropology 175). The Archaeology of Ethnicity]

[Anthropology 1177 \(formerly Anthropology 177\). South American Archaeology](#)

[Anthropology 1210. The Archaeology of Ancient China](#)

[Anthropology 1220. The Record of the Material Culture: Lithics, Pottery, Metallurgy](#)

[Anthropology 1650 \(formerly Anthropology 159\). Museums and Representations: Seminar](#)

[Anthropology 1665. Humans and Animals]

[*Anthropology 2000. Osteoarchaeology Lab]

[Anthropology 2010ar. Materials in Ancient Societies: Metals](#)

[Anthropology 2010br. Materials in Ancient Societies: Metals](#)

[*Anthropology 2020 (formerly Anthropology 1065). GIS and Spatial Analysis in Archaeology]

[*Anthropology 2070a \(formerly *Anthropology 207\). Archaeological Method and Theory: Seminar](#)

[Anthropology 2070b. Case Studies and Research Proposal Preparation]

[Anthropology 2090. Economic Archaeology: Culture Contact]

[Anthropology 2092. Early China: Archaeology and Texts] - (New Course)

[Anthropology 2110r (formerly Anthropology 211r). Issues in Mesoamerican Archaeology: Seminar]

[Anthropology 2115. Origins of Andean Complex Societies]

[Anthropology 2175. The Inca Quipu](#)

[Historical Study B-06. The Roman Games]

[Religion 1400. Introduction to the New Testament: History and Interpretation](#)

Celtic Languages and Literatures

[Celtic 107. Early Irish History](#)

The Classics



[Classical Archaeology 97r. Classical Archaeology](#)

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200-300 BCE - \(New Course\)](#)

[Classical Archaeology 137. Ancient Italian Wall Painting - \(New Course\)](#)

[Classical Archaeology 150. Greek Sculpture in Color - \(New Course\)](#)

[Classical Archaeology 151. Ancient Landscapes](#)

[Classical Archaeology 160. Ancient Greek Vase Painting and Iconography - \(New Course\)](#)

***Classical Archaeology 351. Classical Archaeology: Proseminar**

[***Classical Studies 97a \(formerly *Classics 97a\). Greek Culture and Civilization**](#)

[Classical Studies 152. Gender and Sexuality in Ancient Greece - \(New Course\)](#)

[Historical Study B-06. The Roman Games]

East Asian Languages and Civilizations

***Classical Archaeology 351. Classical Archaeology: Proseminar**

[Japanese History 111a. Gods, Sovereigns, and Shoguns: The History of Early Japan]

[Korean History 111. Traditional Korea]

History

***Classical Archaeology 351. Classical Archaeology: Proseminar**

[*History 1051. Roman Imperialism: Reading Seminar]

[History 1085. The Roman Empire, Augustus to Constantine]

[History 1101. Medieval Europe](#)

[History 1111. The Fall of the Roman Empire]

[***History 1123. Material Cultures: England and France: Reading Seminar - \(New Course\)**](#)

[History 1124. Archaeology of Urban Identities - \(New Course\)](#)

[History 2051. Ethnic Identities in Classical Antiquity: Seminar]

History of Art and Architecture

***Classical Archaeology 351. Classical Archaeology: Proseminar**

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia]

[*History of Art and Architecture 101. The Materials of Art]

[*History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar]

[History of Art and Architecture 138. Ancient Art from Alexander to Augustus](#)

[History of Art and Architecture 197. The Imperial Arts of the Inca and the Aztec]

[*History of Art and Architecture 232. Assyrian Reliefs and the Decorative Programs of Assyrian Palaces]

[***History of Art and Architecture 237m. Architecture and Power in the Ancient Mediterranean World - \(New Course\)**](#)

[*History of Art and Architecture 271m. Architecture, Display, and Mass Culture in 19th/20th c.]

[*History of Art and Architecture 291r. Topics in Pre-Columbian and Colonial Art]



[*History of Art and Architecture 292p. Topics in Pre-Columbian Andean Art in the Peabody Museum]

Human Evolutionary Biology

***Classical Archaeology 351. Classical Archaeology: Proseminar**

[Human Evolutionary Biology 1315. Ecology of Modern Hunter Gatherers - \(New Course\)](#)

[Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar](#)

[*Human Evolutionary Biology 1494r (formerly *Anthropology 1494r). The Hominid Fossil Record]

[*Human Evolutionary Biology 1580 \(formerly *Anthropology 1580\). Paleoecology and Human Evolution](#)

Medieval Studies

***Classical Archaeology 351. Classical Archaeology: Proseminar**

[Medieval Studies 201 (formerly Medieval Studies 101). The Auxiliary Disciplines of Medieval History: Proseminar]

Near Eastern Languages and Civilizations

[Ancient Near East 90. History, Kingship, and the Gods in the Ancient Near East - \(New Course\)](#)

[Ancient Near East 100. History of the Ancient Near East: Mesopotamia]

[Ancient Near East 101. Introduction to Mesopotamian Archaeology](#)

[Ancient Near East 102. Introduction to Mesopotamian Religion](#)

[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 1409. The New Testament, Biblical Studies, and Empire: Seminar](#)

Sanskrit and Indian Studies



Asian Studies Programs

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Council on Asian Studies

Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*) (*Chair*)
Ryuichi Abe, Reischauer Institute Professor of Japanese Religions (*on leave spring term*)
Theodore C. Bestor, Professor of Anthropology
Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities
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
Harold Bolitho, Professor of Japanese History (*on leave 2007-08*)
Sugata Bose, Gardiner Professor of Oceanic History and Affairs
Mary C. Brinton, Reischauer Institute Professor of Sociology
James K. M. Cheng, Librarian of the Harvard-Yenching Library
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
Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2007-08*)
Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)
Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave fall term*)
William C. Hsiao, K. T. Li Professor of Economics (*Public Health*)
Wilt L. Idema, Professor of Chinese Literature
Wesley M. Jacobsen, Professor of the Practice of Japanese Language
William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor (*on leave 2007-08*)
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*) (*on leave 2007-08*)
Wai-yee Li, Professor of Chinese Literature
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave fall term*)
David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Anne E. Monius, Professor of South Asian Religions (*Divinity School*)
Robert D. Mowry, Alan J. Dworksy Curator of Chinese Art, Arthur M. Sackler Museum
Stephen Owen, James Bryant Conant University Professor (*on leave 2007-08*)
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*)



Mary M. Steedly, Professor of Anthropology

Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*on leave spring term*)

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave fall term*)

Richard H. K. Vietor, Senator John Heinz Professor of Environmental Management (*Business School*)

David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature

Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art (*on leave 2007-08*)

James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society

Louis T. Wells, Jr., Herbert F. Johnson Professor of International Business Management (*Business School*)

Martin K. Whyte, Professor of Sociology, Acting Director of the Fairbank Center for East Asian Research

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 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 Center's main office is located in Coolidge Hall, on the third floor.

Faculty of the Standing Committee on the Degree of Master of Arts in Regional Studies–East Asia

David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature (*Chair*)
Henrietta Harrison, Professor of History
Sun Joo Kim, Associate Professor of Korean History
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Yukio Lippit, Assistant Professor of History of Art and Architecture
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave fall term*)
David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)
Karen Thornber, Assistant Professor of Comparative Literature
Xiaofei Tian, Professor of Chinese Literature (*on leave 2007-08*)
Rubie S. Watson, Senior Lecturer on Anthropology, Curator of Comparative Ethnology in the Peabody Museum

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
Harold Bolitho, Professor of Japanese History (*on leave 2007-08*)
Carter J. Eckert, Yoon Se Young Professor of Korean History
Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2007-08*)
Henrietta Harrison, Professor of History
William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor (*on leave 2007-08*)
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Michael J. Puett, Professor of Chinese History
Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*on leave spring term*)

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

David Charbonneau, Thomas D. Cabot Associate Professor of Astronomy

Alexander Dalgarno, Phillips Professor of Astronomy

Douglas Finkbeiner, Assistant Professor of Astronomy

Bryan M. Gaensler, Associate Professor of Astronomy

Alyssa A. Goodman, Professor of Astronomy

Jonathan E. Grindlay, Paine Professor of Practical Astronomy

Lars Hernquist, Professor of Astronomy

John P. Huchra, Robert O. and Holly Thomis Doyle Professor of Cosmology

Robert P. Kirshner, Harvard College Professor and Clowes Professor of Science

Julia C. Lee, Assistant Professor of Astronomy

Abraham Loeb, Professor of Astronomy

Ramesh Narayan, Thomas Dudley Cabot Professor of the Natural Sciences



George B. Rybicki, Professor of the Practice of Astronomy (*Head Tutor*)
 Dimitar D. Sasselov, Professor of Astronomy
 Irwin I. Shapiro, Timken University Professor
 Christopher Stubbs, Professor of Physics and of Astronomy
 Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy
 Matias Zaldarriaga, Professor of Astronomy and of Physics

Other Faculty Offering Instruction in the Department of Astronomy

Lori E. Allen, Lecturer on Astronomy
 Raymond Blundell, Lecturer on Astronomy
 Thomas M. Dame, Lecturer on Astronomy
 Rosanne DiStefano, Lecturer on Astronomy
 Daniel G. Fabricant, Lecturer on Astronomy
 Giovanni G. Fazio, Lecturer on Astronomy
 Christine Jones Forman, Lecturer on Astronomy
 Lincoln J. Greenhill, Lecturer on Astronomy
 Matthew Holman, Lecturer on Astronomy
 Kate Kirby, Lecturer on Astronomy
 David W. Latham, Lecturer on Astronomy
 Myron Lecar, Lecturer on Astronomy
 Jeffrey E. McClintock, Lecturer on Astronomy
 Philip M. Sadler, Frances W. Wright Senior Lecturer on Celestial Navigation
 Patrick O. Slane, Lecturer on Astronomy
 David J. Wilner, Lecturer on Astronomy
 Qizhou Zhang, Lecturer on Astronomy

Astronomy 1, 2, and Science A-35, A-36, A-47 provide a variety of approaches toward introducing the substance of astronomy and astrophysics to interested students. They are aimed at nonconcentrators with curiosity about the contents of the universe and its underlying organization. None of these courses presumes a knowledge of algebra more extensive than that used in a high school physics course. Astronomy 16 is aimed at freshman (and others) who are taking (or have taken) Physics 15a and are considering the concentration. Astronomy 97hf (the Introductory Tutorial) is open to sophomores and freshmen who are taking (or have taken) Physics 15a or the equivalent and are considering the concentration or a combined concentration. Astronomy 98hf and 99, Junior and Senior Tutorials, are intended for concentrators in Astronomy and Astrophysics, but are open in special cases to concentrators in other physical sciences. They provide an opportunity for close contact with the faculty and often result in significant research experience. Astronomy 135, 145, 150, 191, 192, and 193 are intended primarily for concentrators in the physical sciences. Each of these courses uses the tools of mathematics and physics to reach an understanding of astronomical phenomena. Since the prerequisites for these courses include substantial preparation in physics and mathematics, students with an interest in taking them or intending to concentrate in Astronomy and Astrophysics should make an effort to take Physics 15a,b,c and Mathematics 21a,b (or Mathematics 22a,b) at the earliest opportunity.



Primarily for Undergraduates

Astronomy 1. The Astronomical Universe

Catalog Number: 4287

Simon J. Steel

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

A general introductory course for non-science concentrators, which provides a basic understanding of the main phenomena in our Universe. Topics include the Big Bang, the evolution of the Universe and its composition, quasars and black holes, the formation of galaxies, stars and planets, the production of organic matter in space and its links to the origin of life. Basic principles of physics and observational astronomy will be given, but only elementary algebra is used.

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

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 5. Planets Orbiting Other Stars]

Catalog Number: 9578

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

It is only recently that astronomers have succeeded in detecting planets orbiting nearby, Sun-like stars. The underlying architecture of many of these planetary systems is surprisingly different than that of the solar system, an observation that has challenged our understanding of how planets form and evolve over time. The course begins with a survey of the solar system to introduce the dominant physical processes at work within it, and to provide a context for the recent discoveries. Techniques used to detect and characterize extrasolar planets, as well as the challenges that remain before we may attempt to detect an analog of the Earth will be discussed. Theories of planet formation as currently informed by these observations will be explored in the context of understanding whether small, rocky, habitable planets are likely to be commonplace in the Galaxy.

Note: Expected to be given in 2008–09.

Prerequisite: Students without high-school level math or physics should have previously taken at least one of Science A-35, Science A-47 or Science A-54.

Astronomy 7. Black Holes and the Violent Universe

Catalog Number: 6873



Julia C. Lee

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

Observations of the Universe reveal a host of compact objects with deep gravitational potential wells: black holes, neutron stars, white dwarfs. A number of energetic phenomena are seen to be associated with these remarkable objects. The course will survey the field and will describe the underlying physical principles, including ideas from relativity, which allow us to understand the observations.

Prerequisite: Students without high-school level math or physics should have previously taken at least one of Science A-35, Science A-47, or Science A-54.

[Astronomy 9. The Origin and Evolution of the Universe] - (New Course)

Catalog Number: 8064

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

How did the Universe we observe come into being? How did the objects we see around us form? Scientists have now developed a comprehensive history of our Universe from its earliest moments. How have they done this? How far back can this history be trusted? What improvements can be expected in the future? In this course we will describe the history of our Universe as best we know it, and try to answer these questions. To understand this history, we will need to discuss quantum mechanics, relativity, high energy physics, nuclear and atomic physics and exotic phenomena such as the dark matter and dark energy. We will be careful to distinguish observational facts, well motivated extrapolations and wild speculations.

Note: Expected to be given in 2008–09.

Prerequisite: Students without high-school level math or physics should have previously taken at least one of Science A-35, Science A-36, Science A-47 and Science A-54.

Astronomy 16. Stars and Gas in the Milky Way

Catalog Number: 8813

Alexander Dalgarno and John P. Huchra

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to the astronomical principles underlying the behavior of our Galaxy and its components. Basic physical concepts will be applied to orbits, the solar system, stellar spectra, stellar evolution, supernovae, black holes, interstellar gas and Galactic structure. The course involves a significant observational component: the new Clay Telescope at the Science Center will be used to study binary stars and asteroids, while the CfA millimeter telescope will be used to measure the mass of the Milky Way.

Prerequisite: Physics 15a, or equivalent (may be taken concurrently).

***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 subjects 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 not be counted for the concentration requirements except by special permission and may not be taken more than twice.

***Astronomy 97hf. Introductory Tutorial**

Catalog Number: 6604

Christopher Stubbs

Half course (throughout the year). F., 2–4.

Students will learn the basic techniques of astronomical data analysis, and how measurable properties of stars relate to their physical properties. This is a hands-on class with an introduction to the Unix operating system, astronomical optics, detectors, signal to noise considerations, and image analysis. Culminates in a project at the end of the course, and a written paper.

Note: Open to sophomore concentrators and others (including freshmen with Physics 15a or advanced placement) considering the concentration or a combined concentration.

Prerequisite: Physics 15a, b or equivalent (may be taken concurrently).

***Astronomy 98hf. Tutorial — Junior Year**

Catalog Number: 3121

Irwin I. Shapiro and members of the Department

Half course (throughout the year). Tu., 2–4.

Weekly lectures, assigned reading, and discussion meetings during the fall term, individually supervised program of reading and research leading to a paper and lecture on a chosen topic during the spring term.

Note: Normally a required course for junior concentrators in Astronomy. Open in special cases to concentrators in other physical sciences.

***Astronomy 99. Tutorial — Senior Year**

Catalog Number: 5413

Irwin I. Shapiro and members of the Department

Full course. Tu., 2–4.

For honors candidates in Astronomy. Individually supervised reading and research leading to the honors thesis.

Prerequisite: Astronomy 98hf.

Cross-listed Courses

Science A-35. The Energetic Universe

Science A-36. Observing the Sun and the Stars

Science A-47. Cosmic Connections

Science A-54. Life as a Planetary Phenomenon

For Undergraduates and Graduates

Astronomy 145. Topics in Astrophysics

Catalog Number: 0212

Ramesh Narayan

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11



Discussion of a range of astrophysical systems and the physical processes that describe them. Topics include: stellar structure; energy generation in stars; white dwarfs, neutron stars, and black holes; the interstellar medium and star formation; the structure of the Universe; cosmology and the Big Bang.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 150. Radiative Processes in Astrophysics

Catalog Number: 8993

George B. Rybicki

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 3, 4

Survey of radiative processes of astrophysical importance from radio waves to gamma rays.

Thermal and non-thermal processes, including bremsstrahlung, synchrotron radiation, and Compton scattering. Radiation in plasmas. Atomic and molecular structure and spectra.

Prerequisite: Physics 143a (may be taken concurrently).

Astronomy 151. Astrophysical Fluid Dynamics - (New Course)

Catalog Number: 3025

Lars Hernquist

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

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: measurement 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 Knowles Telescope; and laboratory experiments including super-conducting submillimeter detectors, x-ray CCDs, and hard x-ray imaging detectors and telescopes.

Note: Primarily for concentrators in astronomy and 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: Physics 15c or equivalent.

Astronomy 192. Tools and Techniques of Astronomical Measurements

Catalog Number: 4741



Douglas Finkbeiner

Half course (spring term). M., W., 1:30–3.

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.

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. EXAM GROUP: 13, 14

How to design experiments and get the most information from noisy, incomplete, flawed, and biased data sets. Basics 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. Digital data processing: sampling theorem, filtering; fast Fourier transform; spectrum of quantized data sets. Weighted least mean squares analysis and nonlinear parameter estimation. Noise processes in periodic phenomena. Image processing and restoration techniques.

Note: Expected to be given in 2008–09.

Prerequisite: Mathematics 21b or equivalent.

Cross-listed Courses

[Applied Mathematics 111. Introduction to Scientific Computing](#)

[Earth and Planetary Sciences 121. Terrestrial Planets](#)

[Earth and Planetary Sciences 238. Spectroscopy and Radiative Transfer of Atmospheres](#)

[\[Earth and Planetary Sciences 250. Topics in Planetary Sciences\]](#)

[Earth and Planetary Sciences 264r. Topics in Planetary Magnetism](#)

[*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



Charles Alcock and Lars Hernquist

Half course (throughout the year). W., at 3. EXAM GROUP: 8

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: Participation for two terms is required to obtain credit.

[Astronomy 201a. Stellar and Planetary Astrophysics]

Catalog Number: 4303

Dimitar D. Sasselov

Half course (fall term). Hours to be arranged. EXAM GROUP: 16

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 given in 2008–09.

Prerequisite: Astronomy 150 (may be taken concurrently).

[Astronomy 201b. Interstellar Medium and Star Formation]

Catalog Number: 4206

Irwin I. Shapiro

Half course (spring term). Hours to be arranged. EXAM GROUP: 16, 17

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 given in 2008–09.

Astronomy 202a. Galaxies and Dynamics

Catalog Number: 8237

Abraham Loeb and Matias Zaldarriaga

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

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.

Astronomy 202b. Cosmology

Catalog Number: 2446

Abraham Loeb and Matias Zaldarriaga

Half course (fall term). M., W., 10–11:30. EXAM GROUP: 3, 4

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.



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.

Prerequisite: Astronomy 150 or Physics 153 recommended.

[Astronomy 219. High Energy Astrophysics]

Catalog Number: 1858

Ramesh Narayan and Jonathan E. Grindlay

Half course (spring term). Hours to be arranged. EXAM GROUP: 7, 8

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 given in 2008–09.

Astronomy 225. Formation of Stars and Planets

Catalog Number: 0983

David J. Wilner

Half course (spring term). Tu., Th., 10–11:30.

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.

[Astronomy 251. Quantum Mechanics for Astrophysics]

Catalog Number: 5381

Alexander Dalgarno and Kate Kirby

Half course (fall term). Hours to be arranged. EXAM GROUP: 12, 13

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 given in 2008–09.

Prerequisite: Physics 143a or the equivalent, or permission of instructor.

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, Lori E. Allen 5704, Raymond Blundell 2753, David Charbonneau 5225, Alexander Dalgarno 1157, Thomas M. Dame 2755, Rosanne DiStefano 1508, Martin S. Elvis 2530, Daniel G. Fabricant 3711, Giovanni G. Fazio 1143, Douglas Finkbeiner 5556, Christine Jones Forman 5766, Bryan M. Gaensler 4493, Alyssa A. Goodman 3348, Lincoln J. Greenhill 4490, Jonathan E. Grindlay 4593, Lars Hernquist 4250, Matthew Holman 1260, John P. Huchra 6271, 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, George B. Rybicki 3734, Dimitar D. Sasselov 1020, Irwin I. Shapiro 7660, Patrick O. Slane 4838, Christopher Stubbs 4856, Patrick Thaddeus 1398, David J. Wilner 2855, Matias Zaldarriaga 4603, 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 310hfr. Topics in Astrostatistics**



Biological Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

In conjunction with changes in the Life Sciences concentrations, the courses from the Biological Sciences section of the catalog have been renamed and relocated.

Courses designated as Life Sciences can be found in the Life Sciences chapter.

Biological Sciences 52, 54, 56, and 80 are now MCB 52, 54, 56, and 80 and can be found in the Molecular and Cellular Biology chapter. This section also lists Biochemical Sciences 91r and 99, Biology 91r and 99r, and all MCB courses. Biological Sciences 60 is now Life Sciences 60 (formerly MCB 60) and can be found in the Life Sciences chapter.

Biological Sciences 53, 55, and 57 are now OEB 53, 55, and 57 and can be found, along with all OEB courses, in the Organismic and Evolutionary Biology chapter.

Research courses (91r and 99) can be found within the individual sections for each of the Life Sciences concentrations: Chemistry, Chemical and Physical Biology, Human Evolutionary Biology, Molecular and Cellular Biology, Neurobiology, and Organismic and Evolutionary Biology. Equivalent courses can be found in Anthropology (for Biological Anthropology) and Psychology.

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, Professor of Developmental Biology and Hersey Professor of Cell Biology
(Dental School, Medical School) (Chair)

John D. Bartlett, Assistant Professor of Developmental Biology (Dental School)

Joyce E. Bischoff, Associate Professor of Surgery (Medical School)



Patricia A. D'Amore, Professor of Ophthalmology (*Medical School*)
 Floyd E. Dewhirst, Professor of Oral Medicine, Infection, and Immunity (*Medical School*)
 Daniel Finley, Professor of Cell Biology (*Medical School*)
 David E. Fisher, Margaret M. Dyson Professor of Pediatrics (*Medical School*)
 James Hanken, Professor of Biology and Curator of Herpetology and Alexander Agassiz
 Professor of Zoology in the Museum of Comparative Zoology
 Peter V. Hauschka, Associate Professor of Developmental Biology (*Dental School*)
 Martin E. Hemler, Professor of Pathology (*Medical School*)
 Randy King, Associate Professor of Cell Biology (*Medical School*)
 Michael Klagsbrun, Patricia A. Donahue Professor of Surgery (*Medical School*)
 Henry M. Kronenberg, Professor of Medicine (*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*)
 Michael Levin, Assistant Professor of Developmental Biology (*Dental School*)
 Yefu Li, Assistant Professor of Developmental Biology (*Dental School*)
 Yi-Ping Li, Assistant Professor of Developmental Biology (*Dental School*)
 Henry C. Margolis, Associate Professor of Developmental Biology (*Dental School*)
 Bruce J. Paster, Professor of Oral Medicine, Infection, and Immunity (*Dental School*)
 Vicki Rosen, Professor of Developmental Biology (*Dental School*)
 Charles N. Serhan, Simon Gelman Professor of Anaesthesia (*Medical School*)
 Philip P. Stashenko, Associate Professor of Oral Medicine, Infection, and Immunity (*Dental School*)
 Kevin Struhl, David Wesley Gaiser Professor of Biological Chemistry and Molecular
 Pharmacology (*Medical School*)
 Martin A. Taubman, Professor of Developmental Biology (*Dental School*)
 Malcolm Whitman, Professor of Developmental Biology (*Medical School*)

The Biological Sciences in Dental Medicine (BSDM) Program, leading to the PhD degree combines faculty from the Department of Oral and 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

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences (*on leave spring term*)
Stephen W. Lagakos, Professor of Biostatistics (*Public Health*)
Nan Laird, Professor of Biostatistics (*Public Health*) (*on leave 2008-09*)
Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics
Carl N. Morris, Professor of Statistics
Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*)

Faculty of the Subcommittee on the Doctor of Philosophy in Biological Sciences in Public Health

Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*) (*Chair*)
Bruce F. Demple, Professor of Toxicology (*Public Health*)
Douglas W. Dockery, Professor of Environmental Epidemiology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)
Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences (*on leave spring term*)
Bjørn R. Olsen, Professor of Developmental Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)



James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*)
Walter C. Willett, Professor of Medicine (*Medical School*) and Frederick John Stare Professor of Epidemiology and Nutrition (*Public Health*)
Dyann F. Wirth, Richard Pearson Strong Professor of Infectious Disease (*Public Health*)

Other Faculty Offering Instruction in Biological Sciences in Public Health

Robert B. Banzett, Associate Professor of Medicine and Associate Professor of Environmental Health (*Medical School, Public Health*)
Joseph D. Brain, Cecil K. and Phillip Drinker Professor of Environmental Physiology (*Public Health*)
Barbara Burleigh, Associate Professor of Immunology and Infectious Diseases (*Public Health*)
James Preston Butler, Associate Professor of Medicine (*Medical School*)
Hannia Campos, Associate Professor of Nutrition (*Public Health*)
David Christiani, Professor of Medicine (*Medical School*)
Manoj T. Duraisingh, Assistant Professor of Infectious Diseases (*Public Health*)
Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
Albert J. Fornace, Research Professor of Genetics and Complex Diseases (*Public Health*)
Jeffrey J. Fredberg, Professor of Bioengineering and Physiology (*Public Health*)
Marcia Goldberg, Associate Professor of Medicine (*Medical School*)
Beatriz Susana Gonzalez-Flecha, Mark and Catherine Winkler Assistant Professor of Molecular Biology and Environmental Health (*Public Health*)
Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
Howard Hu, Associate Professor of Occupational Medicine (*Public Health*) and Associate Professor of Medicine (*Medical School*)
David J. Hunter, Professor of Epidemiology and Nutrition (*Public Health*)
Phyllis J. Kanki, Professor of Immunology and Infectious Diseases (*Public Health*)
Karl Kelsey, Professor of Environmental Health and Cancer Biology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
Lester Kobzik, Professor in the Department of Environmental Health (*Public Health*) and Professor of Pathology (*Medical School*)
Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
Igor Kramnik, Associate Professor of Immunology (*Public Health*)
Chih-Hao Lee, Assistant Professor of Genetics and Complex Diseases (*Public Health*)
Tun-Hou Lee, Professor of Virology (*Public Health*)
Marc Lipsitch, Assistant Professor of Epidemiology (*Public Health*)
Clifford Lo, Assistant Professor of Pediatrics (*Medical School*) and Assistant Professor of Nutrition (*Public Health*)
Brendan D. Manning, Assistant Professor of Genetics and Complex Diseases (*Public Health*)
Donald K. Milton, Assistant Professor of Occupational Medicine (*Public Health*)
Joseph P. Mizgerd, Associate Professor of Physiology and Cell Biology (*Public Health*)
Karl Munger, Associate Professor of Medicine (*Medical School*)
Heather H. Nelson, Assistant Professor of Environmental Epidemiology (*Public Health*)
Guy L. Reed III, Associate Professor of Medicine (*Medical School*) and Associate Professor of Immunology (*Public Health*)
Eric J. Rubin, Associate Professor of Immunology and Infectious Diseases (*Public Health*) and



Assistant Professor of Medicine (*Medical School*)

Frank M. Sacks, Professor of Medicine (*Public Health*)

Stephanie A. Shore, Senior Lecturer of Physiology (*Public Health*)

Thomas Jay Smith, Professor of Industrial Hygiene (*Public Health*)

Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)

Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)

Dieter Wolf, James Stevens Simmons Associate Professor of Molecular Oncology (*Public Health*)

Zhi-Min Yuan, James Stevens Simmons Associate Professor of Toxicology (*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 205. Introduction to Cancer Biology]

Catalog Number: 6234 Enrollment: Limited to 30.

Zhi-Min Yuan (Public Health), Bruce F. Dimple (Public Health), Albert J. Fornace (Public Health), Brendan D. Manning (Public Health), and Dieter Wolf (Public Health)

Half course (fall term). M., F., 1:30–3:20.

Emphasizes current experimental approaches to studying cancer biology and the process of carcinogenesis. Topics include the biology of cell modification and differentiation, the phenotype of the cancer cell, properties of human and animal cancers, the process of cell transformation,



mutagenesis, carcinogen metabolism, and cancer epidemiology.

Note: Expected to be given in 2008–09. Offered jointly with the School of Public Health as GCD 210.

Prerequisite: College-level course in biology required.

BPH 206. Advanced Respiratory Physiology

Catalog Number: 1049

James Preston Butler (Medical School) and Robert B. Banzett (Medical School, Public Health)

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

Jeffrey J. Fredberg (Public Health)

Half course (spring term). M., 10:30–12:30, W., 3:30–5:20. EXAM GROUP: 3, 4, 5, 8, 9

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.

Prerequisite: College-level introductory biology or permission of the instructor.

BPH 210. Pathophysiology of Human Disease

Catalog Number: 3078

Lester Kobzik (Medical School)

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 ID 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 213. Cell Response to Mutagens and Carcinogens]

Catalog Number: 0932

Bruce F. Demple (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20.

A seminar course based on emerging research on the molecular effects of mutagenic, carcinogenic, and cytotoxic agents. Particular focus on the cellular mechanisms that preserve biological integrity (e.g., cell cycle checkpoints; DNA repair) or mediate cellular responses to stress (e.g., redox signal transduction; apoptosis pathways). Involves analysis and critical discussion of research papers. Written assignments in developing relevant research projects (mini-grant proposals).

Note: Expected to be given in 2008–09. Given in alternate years. Offered jointly with the School of Public Health as GCD 250.

Prerequisite: Advanced or graduate courses in biochemistry, cell biology, or genetics.

BPH 215. Principles of Toxicology

Catalog Number: 5366

A. Wallace Hayes (Public Health) and Joseph D. Brain (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20; Tu., 3:30–5:20.

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.

Donald A. Harn (Public Health) and guest lecturers



Half course (spring term). Tu., 3:30–5:20. EXAM GROUP: 17, 18

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 2008–09. 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

Michael Grusby (Public Health, Medical School)

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

Michael Grusby (Public Health, Medical School) 1987 and members of the Committee



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 302. Molecular Regulation of Thrombosis**

Catalog Number: 2731

Guy L. Reed III 1615

***BPH 304. Study of Workplace Mutagen and Carcinogen Exposure**

Catalog Number: 2734

Karl Kelsey (Public Health, Medical School) 2316

***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 316. Immunology and Molecular Biology of *Schistosoma mansoni

Catalog Number: 2737

Donald A. Harn (Public Health) 2051

***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 (Public Health) 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 331. Perception of Afferent Information from the Respiratory System**

Catalog Number: 3655

Robert B. Banzett (Medical School, Public Health) 1310

***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 341. Pathways of Oxidant-dependent Promotion of Cell Growth in Lung Epithelial Cells**

Catalog Number: 9308

Beatriz Susana Gonzalez-Flecha (Public Health) 2715



***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 (on leave spring term)

***BPH 345. Lung Macrophage Differentiation and Function**

Catalog Number: 1495

Lester Kobzik (Medical School, Public Health) 1313

***BPH 346. Genetic Dissection of Mechanisms of Host Susceptibility to Tuberculosis**

Catalog Number: 1041

Igor Kramnik (Public Health) 2768

***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, Medical 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 360. DNA Replication and Control of Normal and Abnormal Cell Growth**

Catalog Number: 1395
Dieter Wolf (Public Health) 2781

***BPH 362. Delineation of Biochemical and Molecular Basis of Stress Induced Responses**

Catalog Number: 4140
Zhi-Min Yuan (Public Health) 9265

***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 369. Metals Toxicity and Gene-Metal Interactions**

Catalog Number: 8600
Howard Hu 4322

***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 373. Skin Cancer: New Models and Risk Assessments**

Catalog Number: 2988

Heather H. Nelson (Public Health) 5196

***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

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, Associate 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, Professor of Chemistry and Chemical Biology, Harvard College Professor (*on leave 2007-08*)

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

Other Faculty Offering Instruction in Biophysics



John A. Assad, Professor of Neurobiology (*Medical School*)
 Frederick Ausubel, Professor of Genetics (*Medical School*)
 William H. Bossert, David B. Arnold, Jr. Professor of Science
 Martha L. Bulyk, Associate Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)
 Lewis C. Cantley, William Bosworth Castle Professor of Medicine and Professor of Systems Biology (*Medical School*)
 James J. Chou, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 David E. Clapham, Arlo R. Castaneda Professor of Cardiovascular Research (*Medical School*)
 Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
 R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
 David P. Corey, Professor of Neurobiology (*Medical School*)
 Bruce F. Dimple, Professor of Toxicology (*Public Health*)
 John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)
 Michael J. Eck, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Florian Engert, Associate Professor of Molecular and Cellular Biology
 Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology
 Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology, Co-Head Tutor in Biochemical Sciences
 David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics
 Edward E. Harlow, Virginia and D.K. Ludwig Professor of Cancer Research and Teaching (*Medical School*)
 J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences (*on leave spring term*)
 Donald E. Ingber, Judah Folkman Professor of Vascular Biology (*Medical School*)
 David Jeruzalmi, Associate Professor of Molecular and Cellular Biology
 Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
 Roy Kishony, Associate Professor of Systems Biology (*Medical School*)
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Galit Lahav, Assistant Professor of Systems Biology (*Medical School*)
 Jun S. Liu, Professor of Statistics (*on leave spring term*)
 Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
 Thomas Maniatis, Jeremy R. Knowles Professor of Molecular and Cellular Biology
 Jarrod Marto, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Keith W. Miller, Mallinckrodt Professor of Pharmacology (*Medical School*)
 Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)



Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
Venkatesh N. Murthy, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
David Pellman, Associate Professor of Pediatrics (*Medical School*)
Mara Prentiss, Mallinckrodt Professor of Physics
Tom Rapoport, Professor of Cell Biology (*Medical School*)
Frederick P. Roth, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Gary B. Ruvkun, Professor of Genetics (*Medical School*)
Bernardo L. Sabatini, Associate Professor of Neurobiology (*Medical School*)
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Brian Seed, Professor of Genetics and Professor of Health Sciences and Technology (*Medical School*)
Jagesh V. Shah, Assistant Professor of Systems Biology, of Medicine, and of Health Sciences and Technology (*Medical School*)
William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Steven E. Shoelson, Professor of Medicine (*Medical School*)
Pamela A. Silver, Professor of Systems Biology (*Medical School*)
Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
Shamil R. Sunyaev, Assistant Professor of Medicine and Health Sciences and Technology (*Medical School*)
Jack Szostak, Professor of Genetics (*Medical School*)
Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Gregory L. Verdine, Erving Professor of Chemistry
John R. Wakeley, Professor of Organismic and Evolutionary Biology
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Ronald L. Walsworth, Senior Lecturer on Physics
Thomas Walz, Professor of Cell Biology (*Medical School*)
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
Kai Wucherpfennig, Professor of Neurology (*Medical School*)
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology (*on leave 2007-08*)
Gary I. Yellen, Professor of Neurobiology (*Medical School*)

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]

Catalog Number: 6896

George M. Church (Medical School)

Half course (spring term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 2–3:30. EXAM GROUP: 12, 13

Focuses on modern technologies with exponential growth and their impact on global quality of life through weekly updated Wiki class project (in-depth case studies on personal genomics and/or biofuels). Integrating knowledge, tools for research, and commercial decision-making concerning new aspects of bioengineering, personalized medicine, genetically modified organisms, and stem cells. Interplays of biophysical, ecological, economic, and social/ethical modeling will be explored through multi-disciplinary teams of students, and individual brief reports.

Note: Expected to be given in 2008–09.

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., 2:30–4. EXAM GROUP: 7, 8

Introduction to genomics with in-depth study of four areas: 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 148. Neural Signal Processing]

Engineering Sciences 156. Signals and Systems

[Mathematics 115. Methods of Analysis]

MCB 105. Systems Neuroscience

MCB 111 (formerly MCB 211). Mathematics in Biology

MCB 115. Cellular Basis of Neuronal Function

[MCB 117. Experimental Neuroscience]

***MCB 129. Molecular Genetics of Neural Development and Behavior**

MCB 140. Introduction to Biophysics

MCB 150. Developmental Genetics and Genomics



[*MCB 155. Molecular Mechanisms of Gene Control](#)
[MCB 156. Structural Biology of the Flow of Information in the Cell](#)
[MCB 169. Molecular and Cellular Immunology](#)
[MCB 176. Biochemistry of Membranes](#)
[OEB 152. Population Genetics]

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 2008–09.

[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 (Medical School), Kenneth B. Crozier, and Marko Loncar

Half course (spring term). M., W., 11:30–1.

This year's topic will focus on Nanophotonics and its applications in Physics and Biology.

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 \(formerly Biophysics 201\). Organic Chemistry for Biologists](#)

[*Chemistry 242. Quantum Mechanics I](#)

[*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**

[Statistics 215. Fundamentals of Computational Biology]

Systems Biology 200 (formerly Systems Biology 101). 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.

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.

***Biophysics 301. Quantitative Proteomics of Cancer Progression**

Catalog Number: 1302

Jarrold Marto (Medical School) 5326

***Biophysics 302. Quantitative Analysis of Regulatory Networks - (New Course)**

Catalog Number: 4405

Erin K. O'Shea 5239

***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 - (New Course)**

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 - (New Course)**

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 - (New Course)**

Catalog Number: 5860

James M. Hogle (Medical School) 2943, and Brian Bacskai

***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 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 (on leave spring term)

***Biophysics 321. Molecular and Mechanical Analysis of Chromosomes**

Catalog Number: 7297

Nancy Kleckner 4697 (on leave spring term)



***Biophysics 323. Molecular Oncology**

Catalog Number: 8284

Edward E. Harlow (Medical School) 2863

***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. Dimple (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 356. Structure and Activity of Bacterial Toxins**

Catalog Number: 6886

R. John Collier (Medical School) 7972

***Biophysics 360. Enzymatic Mechanisms and Antibiotic Biosynthesis**

Catalog Number: 7053

Christopher T. Walsh (Medical School) 2036

***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

***Biophysics 369. Organic Chemistry and Chemical Biology of Molecular Evolution**

Catalog Number: 6337

David R. Liu 2717 (on leave 2007-08)

***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 (on leave 2007-08)

***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 (on leave spring term)

***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

***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

***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

***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 (Medical School) 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

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*) (*Chair*), (*Ex Officio*)

Bruce F. Demple, Professor of Toxicology (*Public Health*)

Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*)

Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)

Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)

J. Woodland Hastings, Paul C. Mangelsdorf Professor of Natural Sciences (*on leave spring term*)

Stephen W. Lagakos, Professor of Biostatistics (*Public Health*)

Nan Laird, Professor of Biostatistics (*Public Health*) (*on leave 2008-09*)

Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics

Carl N. Morris, Professor of Statistics

Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*)

Faculty of the Subcommittee on the Degree of Doctor of Philosophy in Biostatistics



Louise M. Ryan, Henry Pickering Walcott Professor of Biostatistics (*Public Health*) (*Chair*)

Nan Laird, Professor of Biostatistics (*Public Health*) (*on leave 2008-09*)

Xiao-Li Meng, Whipple V.N. Jones Professor of Statistics

Carl N. Morris, Professor of Statistics

James H. Ware, Frederick Mosteller Professor of Biostatistics (*Public Health*)

Other Faculty Offering Instruction in Biostatistics in Public Health

Rebecca A. Betensky, Associate Professor of Biostatistics (*Public Health*)

Tianxi Cai, Assistant Professor of Biostatistics (*Public Health*)

Paul J. Catalano, Senior Lecturer of Biostatistics (*Public Health*)

Brent Andrew Coull, Associate Professor of Biostatistics (*Public Health*)

Roger B. Davis, Associate Professor of Biostatistics (*Public Health*)

Victor Gerard DeGruttola, Professor of Biostatistics (*Public Health*)

Gregory DiRienzo, Assistant Professor of Biostatistics (*Public Health*)

Dianne Madelyn Finkelstein, Professor of Biostatistics (*Public Health*)

Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)

Kimberlee Gauvreau, Assistant Professor of Biostatistics (*Public Health*)

Richard D. Gelber, Professor of Biostatistics (*Public Health*)

Rebecca S. Gelman, Associate Professor of Biostatistics (*Public Health*)

Robert J. Glynn, Associate Professor of Biostatistics (*Public Health*)

Els Goetghebeur, Adjunct Associate Professor of Biostatistics (*Public Health*)

Robert James Gray, Professor of Biostatistics (*Public Health*)

David P. Harrington, Professor of Biostatistics (*Public Health*)

Eugene Andres Houseman, Adjunct Assistant Professor of Biostatistics (*Public Health*)

Chengcheng Hu, Assistant Professor of Biostatistics (*Public Health*)

Michael David Hughes, Professor of Biostatistics (*Public Health*)

Rima Izem, Assistant Professor of Statistics

Hongyu Jiang, Assistant Professor of Biostatistics (*Public Health*)

Peter Kraft, Assistant Professor of Epidemiology (*Public Health*)

Karen M. Kuntz, Adjunct Associate Professor of Health Decision Science (*Public Health*)

Stephen W. Lagakos, Professor of Biostatistics (*Public Health*)

Christoph Lange, Assistant Professor of Medicine (*Medical School*) and Assistant Professor of Biostatistics (*Public Health*)

Nicholas T. Lange, Associate Professor of Biostatistics (*Public Health*)

Mei-Ling Ting Lee, Adjunct Associate Professor of Biostatistics (*Public Health*)

Cheng Li, Assistant Professor of Biostatistics (*Public Health*)

Yi Li, Associate Professor of Biostatistics (*Public Health*)

Xihong Lin, Professor of Biostatistics (*Public Health*)

Jun S. Liu, Professor of Statistics (*on leave spring term*)

Xiaole Shirley Liu, Assistant Professor of Biostatistics (*Public Health*)

Judith Lok, Assistant Professor of Biostatistics

Donna S. Neuberg, Senior Lecturer on Biostatistics (*Public Health*)

Sharon-Lise T. Normand, Professor of Health Care Policy (*Medical School*) and Professor in the Department of Biostatistics (*Public Health*)

Endel J. Orav, Associate Professor of Biostatistics (*Public Health*)



Alexander Ozonoff, Adjunct Assistant Professor of Biostatistics (*Public Health*)
 Christopher J. Paciorek, Assistant Professor of Biostatistics (*Public Health*)
 Marcello Pagano, Professor of Statistical Computing (*Public Health*)
 John Quackenbush, Professor of Computational Biology and Bioinformatics (*Public Health*)
 James M. Robins, Professor of Epidemiology and Biostatistics (*Public Health*)
 Bernard Rosner, Professor of Medicine (*Medical School, Public Health*)
 Andrea Gloria Rotnitzky, Adjunct Professor of Biostatistics (*Public Health*)
 David A. Schoenfeld, Professor of Biostatistics (*Public Health*)
 Donna Lynn Spiegelman, Professor of Epidemiologic Methods (*Public Health*)
 Kenneth E. Stanley, Lecturer on Statistics (*FAS*) and Lecturer on Biostatistics (*Public Health*)
 Marcia Anne Testa Simonson, Senior Lecturer on Biostatistics (*Public Health*)
 Molin Wang, Assistant Professor of Biostatistics (*Public Health*)
 Lee-Jen Wei, Professor of Biostatistics (*Public Health*)
 Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management and
 Biostatistics (*Public Health*) and Professor of Medicine (*Medical School*) (*on leave 2008-09*)
 Laura Forsberg White, Adjunct Assistant Professor of Biostatistics (*Public Health*)
 Paige L. Williams, Senior Lecturer on Biostatistics (*Public Health*)
 David Wypij, Associate Professor of Biostatistics (*Public Health*)
 Grace Wyshak, Associate Professor of Biostatistics and Population and International Health
 (*Public Health*)
 Guocheng Yuan, Assistant Professor of Computational Biology and Bioinformatics (*Public
 Health*)
 Marvin Zelen, Professor of Statistical Science (*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

Marcello Pagano (*Public Health*)

Half course (fall term). M., W., 8:30–10:20 and one 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 1.5-hour 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

Victor Gerard DeGruttola (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

Robert James Gray (Public Health) and Lee-Jen Wei (Public Health)

Half course (spring term). M., W., 8:30–10:20 and a 1.5 hour 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

Marvin Zelen (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 244. Analysis of Failure Time Data

Catalog Number: 2140

Judith Lok

Half course (fall term). M., W., 1:30–3:20 and one two-hour lab each week.

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

Xihong Lin (Public Health)

Half course (spring term). M., W., 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

Michael David Hughes (Public Health)

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 2008–09. 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

Paul J. Catalano (Public Health)

Half course (spring term). M., W., 8:30–10:20.

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: 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 (fall term). Tu., Th., 10:30–12:20.

Bayes theorem, decision theory, general principles (likelihood, exchangeability, de Finetti's theorem), prior distributions, inference (exact, normal approximations, non-normal approximations), computation (Monte Carlo, convergence diagnostics), model diagnostics (Bayes factors, predictive ordinates), design, empirical Bayes methods.

Note: 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

Andrea Gloria Rotnitzky (Public Health)

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

Rebecca A. Betensky (Public Health)

Half course (fall term). Tu., Th., 1:30–3:20 and one two-hour lab each week.

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] - (New Course)

Catalog Number: 8359

Nan Laird (Public Health) and Christoph Lange (Public Health)

Half course (spring term). Tu., Th., 10:30–12:20.

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 2008–09.

Prerequisite: BIO 231 and BIO 233, or permission of instructor 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 model, and Bayesian network.

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 280. Introduction to Computational Molecular Biology]

Catalog Number: 2116

Xiaole Shirley Liu (Public Health)

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



Graduate entry level course to basic problems, algorithms, and data analysis methods in computational biology. Sequence alignment, gene finding and annotation, microarray analysis, gene regulatory network, RNA/protein structure prediction, proteomics and pharmacogenetics. *Note:* Expected to be given in 2008–09. Offered jointly with the School of Public Health as BIO280.

Biostatistics 290. Genomics & Genetics for Health Research - (New Course)

Catalog Number: 9941

John Quackenbush (Public Health)

Half course (spring term). M., W., 3:30–5:20.

This survey course is 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.

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 - (New Course)

Catalog Number: 5654

Andrea Gloria Rotnitzky (Public Health) and James M. Robins (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



Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*)
(*Chair*)

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 is composed of the members 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*)

George P. Baker, Class of 1966 Professor of Business Administration (*Business School*)

John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics

Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*) (*ex-officio*)

Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)

Ariel Pakes, Steven McArthur Heller Professor of Economics

Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*) (*on leave fall term*)

David S. Scharfstein, Edmund Cogswell Converse Professor of Finance and Banking (*Business School*)

Luis M. Viceira, Professor of Business Administration (*Business School*)

Dennis A. Yao, Professor of Business Administration (*Business School*)

Subcommittee on the Degree of Doctor of Philosophy in Information 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*)

Carliss Y. Baldwin, William L. White Professor of Business Administration (*Business School*)

Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*) (*ex-officio*)

Lee Fleming, Associate Professor of Business Administration (*Business School*)

Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences

David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences

Jan W. Rivkin, Associate Professor of Business Administration (*Business School*)

Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science

Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering, Dean of the Faculty of Arts and Sciences

Subcommittee on the Degree of Doctor of Philosophy in Organizational Behavior



Peter V. Marsden, Harvard College Professor and Professor of Sociology (*Chair*)
Teresa M. Amabile, Edsel Bryant Ford Professor of Business Administration (*Business School*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (*on leave 2007-08*)
Amy C. Edmondson, Novartis Professor of Leadership and Management (*Business School*) (*ex officio*)
Nitin Nohria, Richard P Chapman Professor of Business Administration (*Business School*)
Jeffrey T. Polzer, Associate Professor of Business Administration (*Business School*)
Christopher Winship, Diker-Tishman Professor of Sociology

The 2007-08 membership of this committee had not been determined at the time Courses of Instruction went to press. Updated membership information will be available in the on-line course catalog.

Other Faculty Offering Instruction in Business Studies

Clayton M. Christensen, Robert and Jane Cizik Professor of Business Administration (*Business School*)
Robin J. Ely, Associate Professor of Business Studies (*Business School*)
Giovanni Gavetti, Assistant Professor of Business Administration (*Business School*)
Clark G. Gilbert, Assistant Professor of Business Administration (*Business School*)
John T. Gourville, Associate Professor of Business Administration (*Business School*)
Geoffrey Jones, Professor of Business Administration (*Business School*)
Michael D. Kimbrough, Assistant Professor of Business Administration (*Business School*)
Gary Pisano, Harry E. Figgie, Jr. Professor of Business Administration (*Business School*) (*on leave 2008-09*)
Mikolaj J. Piskorski, Assistant Professor of Business Administration (*Business School*)
Ananth Raman, UPS Foundation Professor of Business Logistics (*Business School*)
Jordan I. Siegel, Assistant Professor of Business Administration (*Business School*)
Noel Watson, Assistant Professor of Business Administration (*Business School*)

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

Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*Chair*) (*on leave fall term*)
Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
(*Acting Chair, fall term*) (*Director of Graduate Studies*)
Margaret Rose Griffin-Wilson, Lecturer on Celtic Languages and Literatures (*fall term only*)
Gene C. Haley, Lecturer on Celtic Languages and Literatures, Associate of the Department of
Celtic Languages and Literatures (*fall term only*)
Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures (*on leave spring term*)
Carol Zall, Lecturer on Celtic Languages and Literatures

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: Expected to be omitted in 2008–09. No knowledge of Irish required; all texts are read in English translation.

[Celtic 113. Gaelic Women's Poetry]

Catalog Number: 7517

Barbara L. Hillers



Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Explores the ways gender, genre, and tradition intersect in the poetic tradition of Gaelic Ireland and Scotland from the Middle Ages to today. After an excursion into early medieval literature, we focus on the work of women aristocrats, female genres of oral folk tradition, and contemporary poetry.

Note: Expected to be given in 2009–10. This course is of particular interest to students with a background in Irish or Scottish Gaelic, but no knowledge of either language is necessary. 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

Basic grammar, translation of simple contemporary Welsh writings, and practice of pronunciation and conversation.

Note: Expected to be omitted in 2008–09. It is suggested that this course be followed by Celtic 129r.

Celtic 129r. Intermediate Modern Welsh

Catalog Number: 4694

Catherine McKenna and others

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

Further grammatical study, with continued pronunciation and conversation, and readings in contemporary Welsh literature.

Note: Expected to be omitted in 2008–09.

Prerequisite: Celtic 128 or permission of instructor.

Celtic 130. Introduction to Scottish Gaelic

Catalog Number: 1846

Barbara L. Hillers

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

An introduction to the spoken and written language.

Note: Expected to be omitted in 2008–09. It is suggested that this course be followed by Celtic 131.

Celtic 131. Intermediate Scottish Gaelic

Catalog Number: 4542

Carol Zall

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

A continuation of the fall term course.

Note: Expected to be omitted in 2008–09.

Prerequisite: Celtic 130 or equivalent.

***Celtic 132. Introduction to Modern Irish**

Catalog Number: 6725 Enrollment: Limited to 15.

Barbara L. Hillers and others



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

Introduction to spoken and written Irish.

Note: It is suggested that this course be followed by Celtic 133r.

***Celtic 133r. Intermediate Modern Irish**

Catalog Number: 6689 Enrollment: Limited to 15.

Tomás Ó Cathasaigh and others

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

Development of oral competence and writing skills.

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 2008–09. All texts are read in English translation.

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 2008–09. 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 monastic rules and penitentials, saints' lives, voyage and vision narratives, and lyric and bardic poetry.

Note: Expected to be omitted in 2008–09. All texts are read in English translation.

[Celtic 160r. Advanced Modern Irish]

Catalog Number: 0704

Barbara L. Hillers

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 2008–09. 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

Barbara L. Hillers

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

Continuation of the fall term course.

Note: Expected to be given in 2008–09.

Prerequisite: Celtic 160r or permission of instructor.

[Celtic 166. The Folklore of Women]

Catalog Number: 0509

Barbara L. Hillers

Half course (fall term). M., W., (F.), at 3. EXAM GROUP: 8

Investigates women's songs and stories collected from Irish, Scottish, and Breton oral tradition. Reading (and, whenever possible, listening to) ballads, work songs, wonder tales, fairy legends, and humorous anecdotes traditionally performed by women, we explore the way women have used oral literature to enhance, underscore, sidestep, subvert, and transcend the gender roles allocated to them within their rural patriarchal communities.

Note: Expected to be given in 2008–09. All texts are read in English translation.

Cross-listed Courses

[*English 90qi. 20th-Century Irish Literature - \(New Course\)](#)

[\[Linguistics 158r. From Indo-European to Old Irish\]](#)

[\[Literature and Arts A-67. Poetry and Power: The Celtic Bard\]](#)

[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 Rose Griffin-Wilson

Half course (fall term). M., at 12, W., F., at 2. EXAM GROUP: 5, 7

An introduction to the language of the eighth and ninth centuries, with elementary readings in prose texts.

Note: Expected to be omitted in 2008–09. 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 2. EXAM GROUP: 7

Further grammatical study, with continued reading of saga texts.

Note: Expected to be omitted in 2008–09.

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 2008–09.

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 2008–09.

Prerequisite: Celtic 200 or permission of the instructor.

Celtic 222. Early Irish Manuscript Tradition

Catalog Number: 1040

Barbara L. Hillers

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

An exploration of the contents and background of the most important manuscript codices, and a practical introduction to Irish palaeography.

Note: Expected to be omitted in 2008–09.

Prerequisite: A knowledge of Irish and/or Latin is helpful.

[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.

Note: Expected to be given in 2008–09. It is suggested that this course be followed by Celtic 225b.

[Celtic 225b. Continuing Middle Welsh]

Catalog Number: 4167

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 2008–09.

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 2008–09.

Prerequisite: Celtic 225b or permission of the instructor.

Celtic 227. Seminar: Welsh Bardic Poetry

Catalog Number: 2580

Catherine McKenna

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Readings from 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 2008–09.

Prerequisite: Knowledge of Welsh or permission of the instructor.

Graduate Courses of Reading and Research

***Celtic 300. Reading and Research**

Catalog Number: 5614

Barbara L. Hillers 3342 (on leave spring term), Catherine McKenna 5253, and Tomás Ó Cathasaigh 1224 (on leave fall term)

***Celtic 305. Preparation of Doctoral Dissertation**

Catalog Number: 0375

Barbara L. Hillers 3342 (on leave spring term), Catherine McKenna 5253, Tomás Ó Cathasaigh 1224 (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



Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology (*Chair and Co-Head Tutor*)

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, Tutor in Biochemical Sciences (*on leave spring term*)

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Melissa Franklin, Mallinckrodt Professor of Physics

Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology, Co-Head Tutor in Biochemical Sciences

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*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Co-Head Tutor*)

Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)

David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor (*on leave 2007-08*)

Richard M. Losick, Maria Moors Cabot Professor of Biology

Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology

David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics

Stuart L. Schreiber, Morris Loeb Professor of Chemistry

Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology

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, Professor of Chemistry and Chemical Biology (*on leave 2007-08*)

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

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

Erin K. O'Shea and Daniel E. Kahne

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 Tutorial 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.

***Chemical and Physical Biology 99. Laboratory Research for Honors Thesis**

Catalog Number: 7918

Erin K. O'Shea and Daniel E. Kahne

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 Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in CPB 99.

Chemical Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Chemical Biology

Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
(*Co-Chair*)

David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor (*Co-Chair*) (*on leave 2007-08*)

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)

Other Faculty Offering Instruction in Chemical Biology

Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)

Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences (*on leave 2007-08*)

Randy King, Associate Professor of Cell Biology (*Medical School*)



Peter T. Lansbury, Professor of Neurology (*Medical School*)
David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor (*on leave 2007-08*)
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
Andrew G. Myers, Professor of Chemistry and Chemical Biology
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Matthew D. Shair, Professor of Chemistry and Chemical Biology
Pamela A. Silver, Professor of Systems Biology (*Medical School*)
Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology (*on leave 2007-08*)
Priscilla Yang, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

The goal of the Doctoral Program in Chemical Biology is biological discovery, and its approach is the seamless integration of principles and experimental techniques drawn from both chemistry and biology. The focus of chemical biology is on biology, which distinguishes it from traditional chemistry, and it uses chemical tools, which distinguishes it from traditional biology. The field also has deep connections with medicine and pharmacology.

The program spans the current Cambridge and Boston campuses and will engage HMS faculty from the Biological Chemistry and Molecular Pharmacology, Microbiology and Genetics, Systems Biology, and Cell Biology Departments; FAS faculty from the Chemistry and Chemical Biology and Molecular and Cell Biology Departments; and affiliated institutions including Brigham and Women's Hospital, Dana-Farber Cancer Institute, Mass General Hospital, and the Broad Institute of Harvard and MIT.

“Chemical biology” has become the shorthand way of describing a new way of thinking about science and organizing research agendas. As Arthur Kornberg (Nobel Prize in Medicine, 1987) put it so eloquently: “Much of life can be understood in rational terms if expressed in the language of chemistry. It is an international language, a language for all of time, and a language that explains where we came from, what we are, and where the physical world will allow us to go. Chemical language has great esthetic beauty and links the physical sciences to the biological sciences.”

The Chemical Biology program will equip students with the appropriate experimental and theoretical approaches to use or develop chemical tools for understanding biological processes. Each of the courses offered by the Program will emphasize concepts, unsolved (or partially solved) problems and novel technology along with an understanding how and why chemical approaches can drive new experiments and deliver novel insight. Students should leave the program better able to identify important unsolved problems in biology and with an appreciation of how to choose problems for which chemical approaches will be productive.

For more information on the doctoral program, visit the program's website at www.gsas.harvard.edu/chembio.



Primarily for Graduates

Chemical Biology 2100 (formerly Biophysics 201). Organic Chemistry for Biologists

Catalog Number: 4030

Jon Clardy (Medical School), Suzanne Walker (Medical School), Christopher T. Walsh (Medical School), and Priscilla Yang (Medical School)

Half course (fall term). Tu., Th., 4–5:30. EXAM GROUP: 18

A treatment of the parts of organic chemistry most relevant to biology. The structures of biologically important small molecules and reaction mechanisms will be covered using both natural and therapeutic examples.

Note: Intended for first-year graduate students with an interest in chemical biology and only a modest background in organic chemistry.

Prerequisite: A basic knowledge of organic chemistry.

Chemical Biology 2101. Strategies in Chemical Biology

Catalog Number: 5212

Suzanne Walker (Medical School)

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

Successful applications of chemical techniques that address biological questions will be dealt with in a series of structured modules. Each module consists of formal lectures, discussions of recent literature, and presentations from outside speakers.

Note: Intended for first-year graduate students in the Chemical Biology program, although others will be admitted with the permission of the instructors.

Prerequisite: Chemical Biology 2100 or equivalent.

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]

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 120. Cell Cycle Control and Genome Stability]

***MCB 155. Molecular Mechanisms of Gene Control**

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 - (New Course)**

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

Introductory lectures by associated Chemical Biology faculty members.

Note: Lectures are accompanied by three periods of instruction in laboratories of structural molecular biology, cell and membrane biophysics, molecular genetics and development, neurobiology, bioinformatics, and physical biochemistry. Students normally spend each laboratory period in a different field.

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, Professor of Chemistry and Physics (*Chair*)

Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology

John M. Doyle, Professor of Physics

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry

Mikhail D. Lukin, Professor of Physics

Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology

Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology (*on leave 2007-08*)

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Chemical Physics

Alexander Dalgarno, Phillips Professor of Astronomy

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of



Materials Science, Associate of Leverett House

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry

Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences (*on leave fall term*)

Patrick Thaddeus, Robert Wheeler Willson Professor of Applied Astronomy

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, Professor of Chemistry and Chemical Biology (*Chair*)

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry

Alán Aspuru-Guzik, Assistant Professor of Chemistry and Chemical Biology

Theodore A. Betley, Assistant Professor of Chemistry and Chemical Biology

Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics

David A. Evans, Abbott and James Lawrence Professor of Chemistry (*on leave spring term*)

Cynthia M. Friend, Theodore William Richards Professor of Chemistry and Professor of Materials Science, Associate of Leverett House

Roy G. Gordon, Thomas Dudley Cabot Professor of Chemistry

Eric J. Heller, Professor of Chemistry and Physics

Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences (*on leave 2007-08*)

Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*) (*Director of Undergraduate Studies*)

Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry (*on leave 2007-08*)



Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry
David R. Liu, Professor of Chemistry and Chemical Biology, Harvard College Professor (*on leave 2007-08*)
Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
Hongkun Park, Professor of Chemistry and Chemical Biology
Tobias Ritter, Assistant Professor of Chemistry and Chemical Biology
Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
Stuart L. Schreiber, Morris Loeb Professor of Chemistry
Matthew D. Shair, Professor of Chemistry and Chemical Biology (*Director of Graduate Studies*)
Eugene I. Shakhnovich, Professor of Chemistry and Chemical Biology
Gregory L. Verdine, Erving Professor of Chemistry
George M. Whitesides, Woodford L. and Ann A. Flowers University Professor
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology (*on leave 2007-08*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in the Department of Chemistry and Chemical Biology

Tamara J. Brenner, Lecturer on Molecular and Cellular Biology
Mark C. Fishman, Senior Lecturer on Medicine (*Medical School*)
Melissa Franklin, Mallinckrodt Professor of Physics
Dudley R. Herschbach, Frank B. Baird, Jr. Research Professor of Science
Ahamindra Jain, Lecturer on Chemistry and Chemical Biology
Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave fall term*)
Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)
Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology
Anne-Frances Miller, Visiting Associate Professor of Chemistry and Chemical Biology
Masahiro Morii, Professor of Physics
Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
Aravinthan D. T. Samuel, Associate Professor of Physics
Dieter Seebach, Visiting Professor of Chemistry and Chemical Biology (*Eidgenössische Technische Hochschule*)
Ryan M. Spoering, Lecturer on Chemistry and Chemical Biology
Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology (*Associate Director of Undergraduate Studies*)
Adam Wasserman, Associate of Chemistry and Chemical Biology, Lecturer on Chemistry and Chemical Biology, Post-Doctoral Fellow in the Department of Chemistry and Chemical Biology

Affiliates of the Department of Chemistry and Chemical Biology

Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)

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 - (New Course)

Catalog Number: 3956

Gregory C. Tucci and Tamara J. Brenner

Half course (fall term). M., W., F., at 9 and one hour per week of discussion section and one hour per week of review. 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, cell structure and physiology, and natural selection.

Note: For students with little or no previous study of chemistry or biology. This course assumes fluency with high school algebra. Life and Physical Sciences A gives solid preparation for Life Sciences 1a, Life Sciences 1b, and Physical Sciences 1.

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, and Robert A. Lue

Half course (fall term). Tu., Th., 10–11:30, and three hours of laboratory/discussion weekly. EXAM GROUP: 12, 13

What are the fundamental features of living systems? What are the molecules that impart these features, and how do their chemical properties explain their biological roles? The answers to



these questions form the basis for an understanding of the molecules of life, the cell, diseases, and medicines. In contrast with a traditional presentation of relevant scientific disciplines in separate courses, the above concepts are examined through an integrated presentation of 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. When taken for a letter grade, Life Sciences 1a meets the Core area requirement for Science A.

Physical Sciences 1. Chemical Bonding, Energy, and Reactivity: An Introduction to the Physical Sciences

Catalog Number: 2225

James G. Anderson and Efthimios Kaxiras

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

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. This course, when taken for a letter grade, meets the Core area requirement for Science A. Students interested in Physical Sciences 1 should take the Chemistry Placement Exam.

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

Melissa Franklin, Logan S. McCarty, and Howard A. Stone

Half course (fall term). Tu., Th., 9:30–11, plus weekly discussion sections and laboratory sessions to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.

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

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Light, Entropy, and Information

Catalog Number: 5262

George M. Whitesides, Melissa Franklin, Masahiro Morii, and Aravinthan D. T. Samuel

Half course (spring term). Tu., Th., 9:30–11, plus weekly discussion sections and five laboratory



sessions to be arranged. EXAM GROUP: 11, 12

This course will examine the two universal driving forces that guide nearly all chemical and biological phenomena: electromagnetism and entropy. Detailed case studies will examine the biological applications of electromagnetic radiation and the role of information in biological systems. Topics covered include: electric and magnetic fields and forces, light, waves, entropy, and information processing in electronic circuits and in biology.

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 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

Gregory L. Verdine and Christopher T. Walsh (Medical School)

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 Core area requirement for Science A.

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

Theodore A. Betley

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

An introduction to basic concepts of inorganic chemistry. Presents principles of chemical bonding and molecular structure, and their application to coordination chemistry (highlighting synthesis), organometallic chemistry (applications to catalysis), and reactivity of inorganic complexes (bioinorganic, main group, solid state).

Prerequisite: Chemistry 17 or 20.

Chemistry 60. Foundations of Physical Chemistry

Catalog Number: 5181

Anne-Frances Miller

Half course (spring term). W., F., 1:30–3. EXAM GROUP: 6, 7

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 Chemistry 5 and Chemistry 7, or Chemistry 15, 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). Spring: Tu., Th., at 1.

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

[Engineering Sciences 168. Aquatic Chemistry]

***Freshman Seminar 22e. Molecular Motors: Wizards of the Nanoworld**

***Freshman Seminar 22j. Seeing by Spectroscopy**

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and Evolution

MCB 52 (formerly Biological Sciences 52). Molecular Biology

MCB 176. Biochemistry of Membranes

For Undergraduates and Graduates

***Chemistry 100. Experimental Chemistry and Chemical Biology**

Catalog Number: 7796

Ahamindra Jain

Half course (fall term). F., at 4, and two five-hour labs each week. EXAM GROUP: 9

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: Life Sciences 1a, or Physical Sciences 1, or permission of the instructor.

Chemistry 105. Mechanisms of Organic Reactions: Physical-Organic Chemistry

Catalog Number: 3181

Ahamindra Jain

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

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.

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.

Allen Dennis Aloise

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. Materials Chemistry

Catalog Number: 7504

Charles M. Lieber

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

A survey of current materials research. Topics include: synthesis of bulk, thin film, and nanoscale materials; electronic structure and conduction in materials; optical properties of materials; structure-property relationship; tools for materials research.

Note: Primarily for advanced undergraduates and graduates.

Prerequisite: Chemistry 40, or equivalent.

Chemistry 160. Physical Chemistry

Catalog Number: 3420

Eric J. Heller

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

Xiaowei Zhuang

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.

Prerequisite: Chemistry 160 and Applied Mathematics 21a, or equivalent.



Chemistry 163. Frontiers in Biophysics

Catalog Number: 3635

Adam E. Cohen

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

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 - (New Course)**

Catalog Number: 8277

Adam Wasserman

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

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.

Prerequisite: Chemistry 160, or equivalent.

***Chemistry 165. Experimental Physical Chemistry**

Catalog Number: 0667

Cynthia M. Friend

Half course (spring term). Tu., at 3. EXAM GROUP: 17

Introduction to methods and techniques used in physical chemistry/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 physical chemistry/chemical physics and related sciences.

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, and one weekly section to be arranged. EXAM GROUP: 16, 17, 18

This course will address both the molecular basis of human disease, and the biological and chemical foundations 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 equivalent.



[Chemistry 192. Principles of Drug Discovery and Development]

Catalog Number: 9628 Enrollment: Limited to 20.

Gregory L. Verdine and Mark C. Fishman (Medical School)

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

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 2008–09. 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 137. Biogeochemistry]

[MCB 199. Statistical Thermodynamics and Quantitative Biology](#)

Primarily for Graduates

[*Chemistry 206. Advanced Organic Chemistry](#)

Catalog Number: 1063

Dieter Seebach

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

A discussion of the important classes of organic reactions will be presented. Topics include rearrangements, cycloadditions, carbonyl additions, and enolate-based transformations. An introduction to FMO theory and stereoelectronic effects will be provided.

Prerequisite: Chemistry 30 or permission of instructor.

[*Chemistry 215 \(formerly Chemistry 115\). Advanced Organic Chemistry: Synthesis of Complex Molecules](#)

Catalog Number: 0480

Matthew Shair

Half course (fall term). M., W., 11:30-1. EXAM GROUP: 4, 5

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.

Prerequisite: A grade of A in Chemistry 30.

[*Chemistry 240. Statistical Mechanics](#)

Catalog Number: 5215

Eugene Shakhnovich

Half course (fall term). M., W., 1:30–3. EXAM GROUP: 6, 7

Equilibrium and nonequilibrium statistical mechanics, with a strong emphasis on interacting systems, including the thermodynamics and structure of gases, liquids, and crystals, critical phenomena. Applications to Biology - from molecular biophysics to problems in evolution - will be presented.

Prerequisite: Chemistry 160 and Chemistry 161, or permission of instructor.



***Chemistry 241. Chemical Kinetics**

Catalog Number: 1122

Roy G. Gordon

Half course (spring term). Tu., Th., 11:30–1.

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.

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 I**

Catalog Number: 2971

Alán Aspuru-Guzik

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Principles of quantum mechanics, particle in a potential well, identical particles, angular momentum, time-independent perturbation theory, chemical bonding in molecules. Dynamics of spin 1/2 particles. Elementary scattering 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 - (New Course)**

Catalog Number: 3622

Hongkun Park

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: 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 270. Chemical Biology**

Catalog Number: 7754

Gavin MacBeath

Half course (spring term). Tu., Th., 10–11:30.

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

Alan Saghatelian

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

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 2008–09.

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

Eric J. Heller and members of the Department

Full course (indivisible). Th., at 4 or 5, with an additional session F., at 5.

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 (on leave 2007-08)

***Chemistry 303. Organic Chemistry**

Catalog Number: 1043

David A. Evans 7774 (on leave spring term)



***Chemistry 304. Theoretical Atomic, Molecular, and Chemical Physics**

Catalog Number: 0532

Eric J. Heller 1074

***Chemistry 311. Physical Chemistry**

Catalog Number: 2640

Charles M. Lieber 3102

***Chemistry 315. Photochemistry and Kinetics**

Catalog Number: 5964

James G. Anderson 6057

***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 - (New Course)**

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 - (New Course)**

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 (on leave 2007-08)

***Chemistry 390. Organic Chemistry and Chemical Biology**

Catalog Number: 7469
David R. Liu 2717 (on leave 2007-08)

***Chemistry 391. Physical Chemistry**

Catalog Number: 9897
Hongkun Park 2485

***Chemistry 393. Physical Chemistry**

Catalog Number: 1273
Xiaowei Zhuang 3991

***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*)
Carmen Arnold-Biucchi, Lecturer on the Classics
Kathleen M. Coleman, Professor of Latin, Harvard College Professor
Emma Dench, Professor of the Classics and of History
Susanne Ebbinghaus, Lecturer on the Classics
David F. Elmer, Junior Fellow in Society of Fellows, Assistant Professor of the Classics (*on leave 2007-08*)
Albert Henrichs, Eliot Professor of Greek Literature
Christopher P. Jones, George Martin Lane Professor of the Classics and of History
Christopher B. Krebs, Assistant Professor of the Classics (*on leave fall term*)
Ivy Livingston, Preceptor in the Classics
Nino Luraghi, Professor of the Classics (*on leave fall term*)
David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)
Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature
Jeremy Rau, Associate Professor of Linguistics and of the Classics (*Director of Undergraduate Studies*)
Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture
Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature
Mark Schiefsky, Professor of the Classics
Francesca Schironi, Assistant Professor of the Classics
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics
R. J. Tarrant, Pope Professor of the Latin Language and Literature (*on leave spring term*)
Richard F. Thomas, Professor of Greek and Latin (*Director of Graduate Studies*)
Benjamin Tipping, Assistant Professor of the Classics (*on leave 2007-08*)
Kathryn Topper, Lecturer on the Classics
Nancy Worman, Visiting Associate Professor of the Classics
Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Other Faculty Offering Instruction in the Department of the Classics



Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emerita

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.

Classical Studies

Courses in Translation

Primarily for Undergraduates

***Classical Studies 97a (formerly *Classics 97a). Greek Culture and Civilization**

Catalog Number: 3965

Nino Luraghi

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

A study of Greek culture and civilization from the Mycenaean to the Hellenistic age. Key works of literature, history, and philosophy as well as archaeological and artistic evidence will be used in order to analyze Greek culture, religion, and society, and their development in the course of the centuries.

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 - (New Course)

Catalog Number: 4090

Kathleen M. Coleman

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

A study of Roman culture and civilization from the beginnings to the High Empire, employing archaeological discoveries, works of art and literature, and inscriptions.

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 145. Ancient Greek Tyranny - (New Course)

Catalog Number: 3611

Nino Luraghi

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

The origins and development of monarchical power in the world of the Greek polis. The course will discuss tyranny from the point of view of political history as well as mentality. Written sources will be read in translation.

Note: Additional reading section offered for students with knowledge of ancient Greek.



Classical Studies 152. Gender and Sexuality in Ancient Greece - (New Course)

Catalog Number: 3419

Kathryn Topper

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

An examination of ancient Greek constructions of gender and sexuality as evidenced in the artistic, literary, and archaeological records. Topics include: interactions between the sexes (including courtship, sex, marriage, and rape); homosexuality; the social status of women; gendered space; clothing and the nude; gender and age; gender and religion; hypersexual and sexually transgressive figures.

Classical Studies 153. Justice in Antiquity - (New Course)

Catalog Number: 8435

John Kyrin Schafer

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

A study of ancient notions about justice. We will consider both the general question (what is justice?) and particular applications (e.g., war, crime and punishment, slavery). A wide range of texts, both philosophical and otherwise, will be read in English translation.

Primarily for Graduates

Classical Studies 272. Greek Tragedy and its Reception - (New Course)

Catalog Number: 3673

Francesca Schironi

Half course (spring term). Th., 4–6.

A course on Sophocles' *Oedipus Rex* and Euripides' *Bacchae* and their ancient (*Christus Patiens*) and modern reception: philosophical works (Nietzsche, Freud), operas (Henze, Börtz-Bergman, Stravinsky), theatrical adaptations (Schechner, Berkoff), ballets (Graham), and movies (Pasolini).

Note: Knowledge of Ancient Greek desirable but not required.

Classical Studies 296 (formerly Classical Philology 296). Greek Medical Literature - (New Course)

Catalog Number: 6953

Mark Schiefsky

Half course (fall term). W., 4–6.

Extensive reading of Galen and/or the Hippocratic Corpus with emphasis on methodological issues and interactions between medicine and philosophy.

Note: Knowledge of Ancient Greek desirable but not required.

Cross-listed Courses

***Freshman Seminar 34v. Eating and Drinking in the Classical World - (New Course)**

[Historical Study B-06. The Roman Games]

Historical Study B-09. The Christian Revolution

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

[*History 1051. Roman Imperialism: Reading Seminar]



***History 1084. Edward Gibbon and the Roman Empire: Reading Seminar - (New Course)**

[History 1085. The Roman Empire, Augustus to Constantine]

History of Science 106. History of Ancient Science

***History of Science 206r. Physical Change, Matter, and Mixture in Aristotle: Seminar - (New Course)**

[*History of Science 207r. Medieval Science: Seminar]

Literature and Arts A-51. Virgil: Poetry and Reception

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

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

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

Near Eastern Civilizations 193. From Baghdad to Isfahan: Classical Sciences in Persian Lands - (New Course)

***Philosophy 107. Ancient Skepticism: Proseminar - (New Course)**

Courses of Reading and Research

Primarily for Undergraduates

***Classics 93r. Advanced Tutorial for Credit**

Catalog Number: 0511

Jeremy Rau

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 99. Tutorial — Senior Year**

Catalog Number: 2350

Jeremy Rau

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 (on leave spring term), John Duffy 1352, Albert Henrichs 4085, Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), Nino Luraghi 2408 (on leave fall term), David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Gloria Ferrari Pinney 1384, Jeremy Rau 4657, Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354, Francesca Schironi 4878, Gisela Striker 2271, R. J. Tarrant



7503 (on leave spring term), Richard F. Thomas 1630, Benjamin Tipping 4875 (on leave 2007-08), Calvert Watkins 2553, and Jan Ziolkowski 7275

***Classics 301. Reading or Topics Course**

Catalog Number: 3457

Kathleen M. Coleman 2289, Emma Dench 5243 (on leave spring term), John Duffy 1352, Albert Henrichs 4085, Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), Nino Luraghi 2408 (on leave fall term), David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Jeremy Rau 4657, Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354, Francesca Schironi 4878, Gisela Striker 2271, R. J. Tarrant 7503 (on leave spring term), Richard F. Thomas 1630, Benjamin Tipping 4875 (on leave 2007-08), 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

Kathleen M. Coleman 2289, Emma Dench 5243, John Duffy 1352, Albert Henrichs 4085, Christopher P. Jones 3204, Christopher B. Krebs 4877 (on leave fall term), Nino Luraghi 2408 (on leave fall term), David G. Mitten 1290 (on leave spring term), Gregory Nagy 1423, Jeremy Rau 4657, Betsey A. Robinson 4361, Panagiotis Roilos 1982, Mark Schiefsky 2354, Francesca Schironi 4878, Gisela Striker 2271, R. J. Tarrant 7503 (on leave spring term), Rabun Taylor 4253, Richard F. Thomas 1630, Benjamin Tipping 4875 (on leave 2007-08), Nancy Worman 5864 (spring term only), and Jan Ziolkowski 7275

***Classics 350. Classical Philology: Proseminar**

Catalog Number: 4026

Richard F. Thomas 1630

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). Section I: M., W., Th., F. at 9; and Section II: M., W., Th., F. at 11.



EXAM GROUP: 2, 11

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 assistants

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). Section I: M.,W.,Th.,F. at 9; and Section II: M.,W.,Th.,F. at 11.

EXAM GROUP: 2, 11

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 assistants

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 1. EXAM GROUP: 6

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 9. EXAM GROUP: 2

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 - (New Course)

Catalog Number: 9131

Ivy Livingston

Half course (spring term). M., W., 3:30–5. EXAM GROUP: 8, 9

Greek poetry from Late Antiquity to Byzantium; study of mediaeval Greek verse forms:

Homeric adaptations of the Bible, the dramatic hymns of Romanos Melodos, 7th-10th c.

narrative poems about wars with Arabs, the heroic epic of Digenis Akrites, as well as versified

Romance novels of the 12th c. Readings will correspond to interests of participants. Review of grammar, syntax, and linguistic developments in post-classical Greek.

Prerequisite: Greek Ba, Ac, or permission of the instructor.

***Greek 98r (formerly *Classics 98r). Junior Research Seminar: Greek Lyric**

Catalog Number: 6100

Albert Henrichs

Half course (fall term). Th., 1–4.

By fostering original research and writing, this course provides advanced undergraduates with an introduction to research tools and methods. Coursework focuses on student presentations, analysis of ancient texts and discussion of critical problems. Highly recommended for students considering writing a Senior Thesis. This year's topic will be Greek lyric poetry.

Note: Open to all qualified students, regardless of year.

For Undergraduates and Graduates

Greek H. Introductory Greek Prose Composition

Catalog Number: 6323

Ivy Livingston and assistant

Half course (fall 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

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

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 2008–09.

Prerequisite: Greek H or equivalent.



Greek 105. Attic Comedy: Aristophanes and Menander

Catalog Number: 1969

Albert Henrichs

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

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, Republic

Catalog Number: 6229

Mark Schiefsky

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

Reading of the entire *Republic* in translation and extensive selections in Greek, with attention to both philosophical argument and literary expression.

Greek 111. Euripides

Catalog Number: 0919

Nancy Worman

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

The course will focus on Euripides' late plays. Readings will center on the *Bacchae*, which will be read in its entirety, with additional passages from other late plays (e.g., *Electra*, *Orestes*), as well as the famous passages from Aristophanes' *Frogs* that represent contemporaneous reception of Euripides' style. Topics will include Euripides' participation in the "new music," his use of tragicomic elements, and his dramatization of sophistic and Socratic ideas.

Greek 112a. History of Greek Literature I

Catalog Number: 3052

Francesca Schironi and assistant

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

Introduction to the literature of Archaic and early Classical Greece in its social and poetic context. Readings from Homer, Hesiod, lyric poets, and Aeschylus, with particular attention to language, genres and their conventions, performance, imagery, and myth.

Note: Classics concentrators are strongly encouraged to take this course.

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

The fifth century and beyond: Sophocles, Euripides, historiography, comedy, philosophy, oratory, and Hellenistic poetry.

Note: Classics concentrators are strongly encouraged to take this course.

Greek 114. Homer's The Iliad

Catalog Number: 5042

Francesca Schironi

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



An analysis of the *Iliad*, with a close reading of *Iliad* 1, 9, 22, and 24. Emphasis will be laid on three major areas; first, on Homeric diction, literary technique, and the nature of oral poetry; second, on the heroic world and its values; third, on the influence of Homer in the history of Greek civilization.

Greek 117. Hesiod's *Theogony* & *Works and Days* - (New Course)

Catalog Number: 9083

Francesca Schironi

Half course (spring term). Tu., Th., at 9. EXAM GROUP: 11

Introduction to Hesiod's poetry, language and style. Extensive readings from the *Theogony* and the *Works and Days* with a focus on the context and the conventions of the didactic genre, the importance of these poems for Greek civilization, and the influence of other non-Greek traditions on Hesiod.

Greek 128. Aristotle, *Rhetoric*

Catalog Number: 1966

Gisela Striker

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

Selections from each of the three books. Topics: rhetorical argument, court speeches (Book 1); how to influence the audience's emotions (Book 2); style and delivery (Book 3).

Greek 134. The Language of Homer

Catalog Number: 5139

Jeremy Rau

Half course (fall term). M., W., 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

[*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**

Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Primarily for Graduates

***Greek 201. Reading Greek**

Catalog Number: 1968

Albert Henrichs

Half course (fall term). Tu., Th., at 10.

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.



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., Th., F., at 9 or 11. 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 assistants

Full course (fall term; repeated spring term). M., through F., at 10. EXAM GROUP: Fall: 3, 12; Spring: 3, 4, 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 or January and consult with the Course Head before enrolling.

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 11. 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 assistants



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.

Note: Latin Ba and Bam are intended to be equivalent in difficulty and require identical background (Latin Aa and Ab, Latin Aab, or the equivalent). Students may take either Ba or Bam for degree credit; they are not allowed to take both courses simultaneously or consecutively.

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 9. EXAM GROUP: 2

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.

Note: Latin Ba and Latin Bam are intended to be equivalent in difficulty and to require identical background (Latin Aa and Ab, Latin Aab, or the equivalent). Students may take either Ba or Bam for degree credit; they are not allowed to take both courses simultaneously or consecutively.

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.

Note: Latin Bb and Latin Bbm are intended to be equivalent in difficulty and to require identical background (Latin Ab, Aab, or Ac, or the equivalent). Students may take either Bb or Bbm for degree credit; they are not allowed to take both courses simultaneously or consecutively.

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 10. EXAM GROUP: 3

Selections from epic and lyric.

Note: Latin Bb and Latin Bbm are intended to be equivalent in difficulty and to require identical background (Latin Ba, Latin Bam, or the equivalent). Students may take either Bb or Bbm for degree credit; they are not allowed to take both courses simultaneously or consecutively.

Prerequisite: Latin Ab, Aab, Ac, or equivalent.

Latin 98r (formerly Classics 98r). Junior Research Seminar: Seneca's Prose - (New Course)

Catalog Number: 2124

Ivy Livingston

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

By fostering original research and writing, this course provides advanced undergraduates with an introduction to research tools and methods. Coursework focuses on student presentations, analysis of ancient texts, and discussion of critical problems. Highly recommended for students considering writing a Senior Thesis. This year's topic will be Seneca's prose.

Note: Open to all qualified students, regardless of year.

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 11. EXAM GROUP: 4

Systematic review of Latin syntax and translation of prose passages from English into Latin.

Prerequisite: Latin Ba or equivalent.

Latin K. Advanced Latin Prose Composition

Catalog Number: 5018

Christopher B. Krebs and assistant

Half course (spring term). W., 4–6.

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; we will also consult discussions of rhetoric and prose style by theorists such as Cicero, Seneca, and Quintilian.

Latin 105. Pliny

Catalog Number: 0939

Kathleen M. Coleman

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

Selections from the letters of the younger Pliny, comprising private correspondence and letters exchanged between Pliny and the emperor Trajan. Emphasis is laid upon full comprehension of Pliny's language and style. Questions to be explored include: the development of letters as a literary genre in Antiquity; Pliny's representation of contemporary life and events, including the eruption of Vesuvius in AD 79; written communication as an instrument of government; and Pliny's presentation of himself.



Latin 106b. Virgil: Aeneid

Catalog Number: 7069

Richard F. Thomas

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

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.

Latin 107. Lucretius' De Rerum Natura

Catalog Number: 4960

Mark Schiefsky

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

Readings from the *De Rerum Natura* with attention to both Epicurean philosophy and its poetic expression. The emphasis will be on atomism as a unified system for understanding the universe and attaining happiness.

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.

Note: Classics concentrators are strongly encouraged to take this course.

Latin 112b. History of Latin Literature II

Catalog Number: 7643

John Kyrin Schafer

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

Readings from the literature of the early Empire, with an emphasis upon genre, style, and social/historical context.

Note: Classics concentrators are strongly encouraged to take this course.

Latin 115a (formerly Latin 115). Tacitus

Catalog Number: 7536

Christopher P. Jones

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

Reading of Tacitus, *Histories* Book I and *Annals* Book IV, with attention to style and language, to Tacitus' presentation of characters and events, and to his conception of the historian's task.

Latin 129. Latin Epigraphy - (New Course)

Catalog Number: 1088

Kathleen M. Coleman

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

Introduction to the study of Latin inscriptions from across the Empire, including texts inscribed,



etched, or painted on clay, metal, glass, wood, and plaster, as well as stone. Texts to be studied range from official documents (e.g., decrees of the senate, colonial charters, market-timetables) to epitaphs, “lost and found” notices, amatory graffiti, etc. Students will learn how to transcribe, supplement, and translate these texts, and interpret them within their political and social context.

Latin 130. Cicero, *Tusculans* Book V - (New Course)

Catalog Number: 6621

Gisela Striker

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

A close study of the book that might well serve as an introduction to Hellenistic ethics for non-philosophers.

Latin 131. Ovid, *Heroides* - (New Course)

Catalog Number: 9979

Kathleen M. Coleman

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

Selections from the *Heroides* of Ovid, verse-letters purportedly by famous heroines of mythology to their (usually faithless) lovers; some of the poems are paired with the lover’s “reply.” Emphasis is laid upon full comprehension of Ovid’s language, meter, and style.

Questions to be explored include the relation of the *Heroides* to the rest of Ovid’s poetry, the reflection of “feminine psychology,” and the role of this corpus of myth in Augustan literature and art.

[Latin 134. Archaic Latin]

Catalog Number: 1327

Jeremy Rau

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

Essentials of Latin comparative and historical grammar, with readings of early Latin inscriptions, legal texts, and selections from Livius Andronicus, Plautus, Ennius, and Cato.

Note: Expected to be given in 2008–09.

Cross-listed Courses

[*History 1051. Roman Imperialism: Reading Seminar]

***History 1084. Edward Gibbon and the Roman Empire: Reading Seminar - (New Course)**

[History 1085. The Roman Empire, Augustus to Constantine]

Literature and Arts A-51. Virgil: Poetry and Reception

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

Primarily for Graduates

***Latin 201. Reading Latin**

Catalog Number: 7642

Christopher P. Jones

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

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 220. The Fall of the Roman Republic: Ancient Versions - (New Course)

Catalog Number: 0709

Emma Dench

Half course (fall term). Th., 4–6. EXAM GROUP: 18

A close reading of Latin and Greek retrospective versions of the “fall of the Roman Republic.” Consideration of both the contexts in which they were written and their value as “sources” for Republican history.

Classical Philology 229. Ancient Literary Criticism - (New Course)

Catalog Number: 1266

Nancy Worman

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This seminar will address ancient Greek and Latin ideas about the themes, arguments, and style of poetry and prose. Readings will include Aristophanes, Plato, Aristotle, “Demetrius,” Cicero, Dionysius of Halicarnassus, Horace, Quintilian, and “Longinus.”

Classical Philology 237. Sallust

Catalog Number: 5228

Christopher B. Krebs

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

In-depth analysis of problems relating to Sallust’s works and their cultural and literary background. Topics will include: the prologues; the digressions; Sallust’s idea of history; metaphors in Sallust; Sallust and Cicero; Thucydides’ influence on Sallust; Tacitus’ reception of Sallust.

Classical Philology 242. Catullus - (New Course)

Catalog Number: 3064

Richard F. Thomas

Half course (spring term). Th., 2–4.

Explores Catullus in his literary, historical and social contexts, with a focus on his place in the various Greek and Roman traditions of which he is a part.

Classical Philology 263 (formerly Classics 263). Homer

Catalog Number: 8444

Gregory Nagy

Half course (fall term). Tu., 2–4.

Studies in the *Iliad* and the *Odyssey*. Topics of special interest will include the reception of Homer in classical Athens and in Hellenistic Alexandria and Pergamon.



Classical Philology 270 (formerly Classics 270). Horace, Odes

Catalog Number: 4724

R. J. Tarrant

Half course (fall term). W., 2–4.

Reading and discussion of Horace's lyric poetry, considered both in itself and in relation to Greek and Roman literary traditions, Horace's other works, and its historical context.

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

Betsey A. Robinson and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Required for concentrators in Classical Archaeology. Letter-graded.

For Undergraduates and Graduates

Classical Archaeology 110. Coins and History of Ancient Sicily - (New Course)

Catalog Number: 2348

Carmen Arnold-Biucchi

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Introduction to the coinages and history of Sicily from the sixth to the second century BC.

Presents the development of coinage in the major mints of Selinous, Himera, Akragas, Gela, Syracuse, and others. Main focus is on the fifth century, the highly artistic period of the signing engravers. Students learn numismatic methodology and how to interpret coins as artworks and historical documents by working hands-on with the Harvard collection.

Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200-300 BCE - (New Course)

Catalog Number: 4150

David G. Mitten

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

The origins and development of Greek architecture, sculpture, and painting; the growth of cities and sanctuaries; religious mythological and narrative art, including monumental painting, mosaics, and vase-painting. The development of archaeological research in Greek lands; current problems, such as the nature of Greek relationships with non-Greek peoples, and the Macedonian tombs.



Classical Archaeology 137. Ancient Italian Wall Painting - (New Course)

Catalog Number: 2296

Kathryn Topper

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

An introduction to the painting of ancient Etruria, Rome, and South Italy. We will examine the major styles, themes, and architectural contexts of the paintings, as well as the intersection of ancient painting and literature.

Classical Archaeology 150. Greek Sculpture in Color - (New Course)

Catalog Number: 2822

Susanne Ebbinghaus

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

Examines prominent examples of ancient statuary and architectural sculpture from the first large-scale works in stone to the art of imperial Athens and monuments created for foreign rulers in the Hellenistic period and, ultimately, in Rome. Using archaeological and literary evidence, we will investigate contexts of creating and viewing, copying and imitating, and attempt to disentangle ancient from modern notions of Classical sculpture. Recent reconstructions of the sculptures' original, colored surfaces will receive special attention.

Classical Archaeology 151. Ancient Landscapes

Catalog Number: 0641

Betsey A. Robinson

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

In search of ancient Mediterranean landscapes, we range from city to countryside, and from garden grottoes to sacred mountains. From classical Greece through the Roman imperial period, we explore human responses to the natural world through studies in art and literature, archaeology, and cultural geography. Topics include pictorial landscapes and multi-media installations, modes of representation (e.g., allegorical vs. documentary), and intersections between real and imagined landscapes, geography, and tourism.

Classical Archaeology 160. Ancient Greek Vase Painting and Iconography - (New Course)

Catalog Number: 5460

Kathryn Topper

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

An introduction to the painted pottery of the Greek world from the tenth to fourth centuries B.C. We will consider topics such as stylistic development, trade, and economic value, but our primary focus will be the questions raised by the imagery: What is represented? What do the images tell us about ancient life and thought? How do the images relate to other forms of representation--in the visual arts, in literature, and in the theater?

Cross-listed Courses

[*History of Art and Architecture 101. The Materials of Art]

History of Art and Architecture 138. Ancient Art from Alexander to Augustus

***History of Art and Architecture 237m. Architecture and Power in the Ancient**



Mediterranean World - (New Course)
Literature and Arts B-21. The Images of Alexander the Great

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, ecphraseis, 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 185. Workshop in Greek Palaeography

Catalog Number: 3271

John Duffy

Half course (fall term). W., 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.

Cross Listed Courses

Religion 2426. Editing Greek Christian Literature: Seminar

Medieval Latin



For Undergraduates and Graduates

Medieval Latin 105 (formerly Medieval Latin 205). *The Waltharius*

Catalog Number: 9120

Jan Ziolkowski

Half course (spring 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.

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

Panagiotis Roilos and assistant

Full course. M., 3-4:30., T., 4-5:30., W., 1, and an additional hour for conversation. EXAM GROUP: Fall: 6; Spring: 6, 8, 9, 18

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

Panagiotis Roilos and assistant

Full course. Fall: M., W., F., at 11; Spring: M., at 5, F., 5–7 p.m. EXAM GROUP: Fall: 4; Spring: 9



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 (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Close literary and linguistic analysis of selected readings in prose, theater, poetry, and folksongs.

Note: Conducted in Greek.

Prerequisite: Modern Greek B or equivalent and permission of instructor.

Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature - (New Course)

Catalog Number: 8412

Panagiotis Roilos

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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: Students who have previously taken Comparative Literature 145, Dreams and Literature, may not take this course for credit.

Primarily for Graduates

Modern Greek 205. C.P. Cavafy: European Modernism and the Poetics of Desire - (New Course)

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.

Cross-listed Courses



[Comparative Literature 266 (formerly Literature 149). Irony]
[Comparative Literature 288. Antiquity and Beyond: Modern Critical Theory and the Classics - \(New Course\)](#)

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, John L. Loeb Associate Professor of the Natural Sciences

Sevan G. Ficici, Lecturer on Computer Science

Yakov Gal, Lecturer on Computer Science

Steven J. Gortler, Robert I. Goldman Professor of Computer Science (*Director of Undergraduate Studies*)

Barbara J. Grosz, Higgins Professor of Natural Sciences

H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering

Henry H. Leitner, Senior Lecturer on Computer Science

Harry R. Lewis, Harvard College Professor and Gordon McKay Professor of Computer Science (*on leave spring term*)

David J. Malan, Lecturer on Computer Science

Michael D. Mitzenmacher, Gordon McKay Professor of Computer Science , Contin Ed/Spec Prog Instructor

John G. Morrisett, Allen B. Cutting Professor of Computer Science, Associate Dean for



Computer Science and Engineering

Radhika Nagpal, Assistant Professor of Computer Science on the Gordon McKay Endowment
Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
David C. Parkes, John L. Loeb Associate Professor of the Natural Sciences
Avrom J. Pfeffer, Associate Professor of Computer Science on the Gordon McKay Endowment
Hanspeter Pfister, Gordon McKay Professor of the Practice of Computer Science, Director of Visual Computing in the Initiative in Innovative Computing
Michael O. Rabin, Thomas J. Watson, Sr. Professor of Computer Science
Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science
Stuart M. Shieber, James O. Welch, Jr. and Virginia B. Welch Professor of Computer Science
Michael D. Smith, Gordon McKay Professor of Computer Science and Electrical Engineering, Dean of the Faculty of Arts and Sciences
Lynn A. Stein, Visiting Professor of Computer Science (*Olin College*)
Salil P. Vadhan, Gordon McKay Professor of Computer Science and Applied Mathematics (*on leave 2007-08*)
Leslie G. Valiant, T. Jefferson Coolidge Professor of Computer Science and Applied Mathematics
James H. Waldo, Lecturer on Computer Science
Gu-Yeon Wei, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
Matthew D. Welsh, Associate Professor of Computer Science on the Gordon McKay Endowment
Todd Zickler, Assistant 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.

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. In addition, attention is called to the following courses in related fields: Quantitative Reasoning 20; Applied Mathematics 106, 107; Linguistics 112a, 112b; Philosophy 144; Physics 123; and Statistics 110, 111, 171.

Computer Science 1. Great Ideas in Computer Science

Catalog Number: 6903

Henry H. Leitner

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



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. May be used for Quantitative Reasoning Core credit.

Computer Science 50. Introduction to Computer Science I

Catalog Number: 4949

David J. Malan

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

Introduction to the intellectual enterprises of computer science. Algorithms: their design, specification, and analysis. Software development: problem decomposition, abstraction, data structures, implementation, debugging, testing. Architecture of computers: low-level data representation and instruction processing. Computer systems: programming languages, compilers, operating systems. Computers in the real world: networks, security and cryptography, artificial intelligence, social issues. Assignments include extensive programming in the C language and PHP.

Note: No previous computer experience required. This course, when taken for a letter grade, meets the Core area requirement for Quantitative Reasoning.

Computer Science 51. Introduction to Computer Science II

Catalog Number: 3411

Radhika Nagpal

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

Abstraction and design in computation. Topics include: Functional and object-oriented styles of programming; software engineering in the small; implementation of a language interpreter. Goal: understanding how to design large programs to make them readable, maintainable, efficient, and elegant. Exercises in LISP (Scheme) and C++.

Prerequisite: Computer Science 50 or equivalent.

***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 61 (formerly Computer Science 160). Systems Programming and Machine Organization - (New Course)

Catalog Number: 3461

Matthew D. Welsh

Half course (spring 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: Computer Science 50

[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 2008–09.

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. Elementary treatment of automata, formal languages, computability, uncomputability, computational complexity, NP-completeness, and mathematical logic.

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). W., F., 1–2:30. EXAM GROUP: 6, 7
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.
Prerequisite: Computer Science 51.

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

John G. Morrisett



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

Intellectual tools needed to design, evaluate, and choose programming languages. Historical influences on language design. Case studies, reinforced by programming exercises. Advanced languages, abstraction mechanisms. Includes functional, object-oriented, and logic paradigms. Focuses on practice, but covers formal topics crucial for intellectual rigor: abstract syntax, lambda calculus, type systems, and dynamic semantics. Grounding sufficient to read professional literature.

Prerequisite: Computer Science 121. Students must have excellent programming skills, be comfortable with recursion, basic mathematical ideas and notations.

Computer Science 153. Principles of Programming Language Compilation

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.

[Computer Science 161. Operating Systems]

Catalog Number: 4347

Matthew D. Welsh

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 2008–09.

Prerequisite: Computer Science 51.

[Computer Science 164. Internet Technologies]

Catalog Number: 7295

Mema Roussopoulos

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Survey of current authoring, distributing, and browsing technologies used in the Internet. Topics include: HTTP, DNS and TCP/IP overview, HTML techniques for text, links, forms, and images, client/server paradigm, server-side programming, CGI scripts, dynamic content with Java, how web browsers and web servers work, web caching and replication.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 50.

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 - (New Course)

Catalog Number: 8877

Hanspeter Pfister

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

Introduction to key design principles and techniques for visualizing data. Covers data and image models, visual perception, interaction techniques, animation, tools from various fields, and design practices. Introduces programming of static, dynamic, and interactive visualizations.

Prerequisite: Computer Science 50 or equivalent, Mathematics 1b. 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 - (New Course)**

Catalog Number: 4052 Enrollment: Limited to 24.

Lynn A. Stein (Olin College)

Half course (spring term). M., W., 2:30–4:30. EXAM GROUP: 7, 8, 9

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 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 centers on a semester-long design project, with classes mixing studio and seminar formats.

Computer Science 181. Intelligent Machines: Perception, Learning, and Uncertainty

Catalog Number: 6454

Avrom J. Pfeffer

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8



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

David C. Parkes

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 (fall 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.

Prerequisite: Computer Science 121.

[Computer Science 199r. Special Topics in Computer Science]

Catalog Number: 4242

Michael D. Smith

Half course (fall term; repeated spring term). Tu., Th., 2:30–4. EXAM GROUP: Fall: 16, 17

Topic focus for 2007: Privacy and Technology. Case studies of areas in which there are perceived conflicts between individual privacy and computer technology. Which of these conflicts are real? Which could reasonably be addressed through changes in policy and technology? Areas include RFID, surveillance, biometrics, data aggregation and data mining. Open to all students.

Note: Expected to be given in 2008–09.

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, electronic elections, auctions, secure multi-party computations. Quantum and provably secure encryptions. Foundations: Probabilistic encryption and semantic security. Attacks and countermeasures.

Computer Science 221. Computational Complexity

Catalog Number: 5812

Leslie G. Valiant

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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

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 2008–09.

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.

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 2008–09.

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, maximal flows, error correcting codes, cryptography, distributed and parallel algorithms.

Note: Expected to be given in 2008–09.

[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 2008–09.

Prerequisite: Computer Science 121 or equivalent.

[Computer Science 229r. Topics in the Theory of Computation]

Catalog Number: 3730

Salil P. Vadhan

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

Students read, present, and critically evaluate current research papers in theoretical computer science. See syllabus and web site for specific topics of focus.

Note: Expected to be given in 2008–09.

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). Th., at 1, Tu., 5:30–7:30 p.m. EXAM GROUP: 15, 18

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 2008–09.

Prerequisite: Computer Science 152, Computer Science 153, or equivalent.

[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 2008–09.

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 (fall 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 2008–09.

Prerequisite: Computer Science 161 or Computer Science 143.

[Computer Science 264. Peer-to-Peer Systems]

Catalog Number: 6069 Enrollment: Limited to 24.

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

Discusses research papers on peer-to-peer systems. Topics include: routing, search, caching, security, reputation and trust, incentives, and applications. Students undertake a major research project and lead discussions of readings.

Note: Expected to be given in 2008–09. Preference to graduate students or upper-level concentrators.

Prerequisite: Computer Science 161 or Computer Science 143.

***Computer Science 266. Biologically-Inspired Distributed and Multi-Agent Systems**

Catalog Number: 0766 Enrollment: Limited to 16.

Radhika Nagpal

Half course (fall 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 2008–09.

Prerequisite: Computer Science 175 or permission of instructor.

[*Computer Science 279 (formerly *Computer Science 279r). Topics in User Interfaces: Privacy and Security Usability]

Catalog Number: 1435 Enrollment: Limited to 12.

Stuart M. Shieber

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

Seminar on topics drawn from computer-human interfaces, information retrieval, and information visualization. Intensive lab component emphasizes small group design and implementation. Spring 2008 focus is usability of computer security and privacy systems.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 51 and experience developing large software systems as evidenced by successful completion of a systems course requiring a large project.

[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 2008–09.

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.

Prerequisite: Computer Science 181 or permission of instructor.

Computer Science 283. Computer Vision

Catalog Number: 4475

Todd Zickler

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

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 Planning Systems

Catalog Number: 1060

Yakov Gal and Sevan G. Ficici

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

Theories and techniques for multi-agent planning, including formal models of rational agents, collaborative plans, and social systems; computational approaches to distributed planning and problem solving, negotiation, and decision theory for planning; collaborative systems design.

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 (spring term). F., 2–5. EXAM GROUP: 7, 8, 9

Spring 2008: Computational Finance. AI models of financial markets. Automated trading agents. Terabyte-scale financial data challenges. Derivative pricing; price prediction. Regulatory considerations. Readings in CS theory, AI, systems; operations research; finance. Applied final project.

Note: Preference given to graduate students or upper-class concentrators in computer science or economics.

Prerequisite: Mathematics 21b, Applied Mathematics 21b, or equivalent; and either a) Computer Science 124, and 181 or 182, b) Economics 1723 and 1760, or equivalents; or c) permission of instructor. A background in finance is helpful but not required.

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 288. Computational Models of Discourse]

Catalog Number: 1392



Barbara J. Grosz

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

Computational theories of discourse structure and processing. Topics include: anaphora, focusing, speech acts, collaborative planning and plan recognition algorithms, intonation. Application to dialogue and text-processing systems and design of human-computer interface systems.

Note: Expected to be given in 2008–09.

Prerequisite: Computer Science 182, 187, or 287r or equivalent, 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

***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 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 327,328. Mathematical Logic, Theory of Computation**

Catalog Number: 1160,3576

Harry R. Lewis 4455 (on leave spring term)

***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. Complexity of Computations: Concurrent Programming and Synchronization**

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 (on leave 2007-08)

***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 375,376. Computer Graphics**

Catalog Number: 6832,7313

Steven J. Gortler 2824

Dramatic Arts

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Dramatics

Robert Scanlan, Professor of the Practice of Theater (*Chair*)

Elizabeth Weil Bergmann, Lecturer on Dramatic Arts

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Marjorie Garber, William R. Kenan, Jr. Professor of English and of Visual and Environmental Studies (*on leave spring term*)

Jorie Graham, Boylston Professor of Rhetoric and Oratory

Gideon M. Lester, Lecturer on Dramatic Arts

Elizabeth D. Lyman, Assistant Professor of English

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

John C. Megan, Director, Office for the Arts at Harvard (*ex officio*)

Robert J. Orchard, Director of the Loeb Drama Center and Executive Director of the American Repertory Theatre (*ex officio*)

Peter Sacks, John P. Marquand Professor of English

Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave spring term*)

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities



Marcus Stern, Lecturer on Dramatic Arts
Scott Zigler, Lecturer on Dramatic Arts

Other Faculty Offering Instruction in Dramatic Arts

Remo Francisco Airaldi, Lecturer on Dramatic Arts , Contin Ed/Spec Prog Instructor
Thomas Derrah, Lecturer on Dramatic Arts
Jeremy Geidt, Lecturer on Dramatic Arts
J. Michael Griggs, Lecturer on Dramatic Arts
John H. Hewlett, Visiting Lecturer on Dramatic Arts (*fall term only*)
Nancy K. Houfek, Lecturer on Dramatic Arts
William S. Lebow, Lecturer on Dramatic Arts
Gideon M. Lester, Lecturer on Dramatic Arts
Karen L. MacDonald, Lecturer on Dramatic Arts
Marcus Stern, Lecturer on Dramatic Arts
Scott Zigler, Lecturer on Dramatic Arts

Primarily for Undergraduates

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 to and overview of the major collaborative elements of the theatre: playwriting, directing, designing, acting. Also, a discussion of the current state of the theatre in America, giving special attention to productions at the Loeb and in the Boston area. (Students are required to attend at least five different productions.) Students do creative and collaborative work throughout the term, and members of the ART staff give guest lectures in their areas of expertise.

***Dramatic Arts 5. Production Dramaturgy**

Catalog Number: 7592 Enrollment: Limited to 20.

Ryan Scott Mckittrick

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

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 10. Beginning Acting]

Catalog Number: 9555

Scott Zigler

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

Utilizing primarily scene study work drawn from contemporary material, the course will focus on three main areas: Text analysis, with primary focus on identification of objectives and tactics, character, and moment to moment spontaneity. The course will draw primarily from the theories



of David Mamet and Sanford Meisner.

Note: Expected to be given in 2008–09. Enrollment determined by audition during the first class meeting.

***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. 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 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 13. Acting Workshop: Comedy

Catalog Number: 9926

William S. Lebow

Half course (fall 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 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 basic choreography class utilizes movement exploration to tap into the participant's creativity. Assignments examine the use of time, weight, space, and flow in developing interesting movement phrases. Through a combination of readings, discussion, 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. Course culminates in public



performance of completed choreographic projects.

Note: Enrollment determined by interview the first week of class.

***Dramatic Arts 14a. Group Choreography - (New Course)**

Catalog Number: 9209

Elizabeth Weil Bergmann

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

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. Texts and videos will be assigned as relevant to specific individual projects.

Dramatic Arts 17. Intermediate Acting

Catalog Number: 9738

Karen L. MacDonald

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

An expansion of basic acting techniques, with an emphasis on the work done during rehearsal.

How do you prepare for a rehearsal each day? How do you maximize your time in rehearsal?

How do you work with different directors? Emphasis is placed on creating a character and building a role. Actors will be doing scene study, monologue work, and improvisation.

Note: Enrollment determined by audition.

***Dramatic Arts 18r. Advanced Acting: 20th-Century Texts**

Catalog Number: 8011

Marcus Stern

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

A course of advanced acting techniques using 20th-century dramatic texts for scene work. The emphasis is on text analysis, character development, action based acting, and the creation of an acting process that is specifically tailored to the individual actor. The goal is to provide the actor with concrete skills that produce tangible results in rehearsal and in performance. This course is for actors who are interested in working in theater, television, and/or film.

Note: Enrollment determined by audition on the first day of class.

[*Dramatic Arts 19. Playwriting and Dramatic Technique]

Catalog Number: 8045 Enrollment: Limited to 8.

Gideon M. Lester

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

An advanced investigation of dramatic technique for students with prior experience of playwriting. The seminar focuses on the structural principles of dramatic composition, examining paradigms from Aristotle to David Mamet and developing a formal methodology for playwriting. Through a series of exercises and draft scenes students gain an understanding of theatrical craft, invaluable to playwrights and dramaturgs, and complete a major piece of dramatic writing.

Note: Expected to be given in 2008–09. Admission based on samples of writing submitted to the instructor.



***Dramatic Arts 22r. Directing**

Catalog Number: 8160 Enrollment: Limited to 9.

Marcus Stern

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A directing class for directors, as well as for actors, dramaturgs, and designers investigating all aspects of theater. The class accommodates beginning to advanced levels of work. Through constant scene work the course will examine the directorial tools of text analysis, staging, design, and working with actors. The focus is on understanding texts and explicating the actor's response to those texts on stage. Also useful for directors who are interested in television and film.

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 23. Intermediate Directing]

Catalog Number: 9594

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

A class for theatre artists, filmmakers, and other visual artists who want to explore the craft. A background in performance, design, or media creation would be helpful but not essential. The course will use experiments in composition to enhance a dialogue on what tools can be used in creating events on stage, film, and in the visual arts.

Note: Expected to be given in 2008–09.

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 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.

[*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. Students at all levels of skill are welcome.

Note: Expected to be given in 2008–09.

***Dramatic Arts 34. Paul Taylor Dance Technique and Repertory - (New Course)**

Catalog Number: 6211

Ruth Andrien O'Neill

Half course (spring term). Tu., Th., 3:30–6. EXAM GROUP: 16, 17

Ruth Andrien, former principal dancer with the Paul Taylor Dance Company, teaches an advanced course on Taylor technique focusing on a theoretical and practical understanding of the technique. Offering comprehensive kinesthetic exploration of the movement vocabulary known as "The Taylor Style", this course will culminate in a lecture-demonstration of excerpts from Taylor masterworks. Course includes discussions of Taylor's stylistic approach to music, body and space design, and gesture. Experienced dancers only.

Note: Enrollment determined by audition on the first day of class.

***Dramatic Arts 35. Acting Chekhov - (New Course)**

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 36. Practical Aesthetics - (New Course)

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 37. The Craft of Storytelling on Stage, Television, and Screen - (New Course)

Catalog Number: 0303 Enrollment: Limited to 25.

Jeffrey D. Melvoin

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

This course explores the craft of scriptwriting through close analysis of a play, teleplay, and screenplay. Comparing the demands of each form, students examine the creative process to understand how a writer uses specific tools to construct stories based on universal dramatic principles. The course also considers how "real world" issues affect professional writing. Video and live performance will supplement reading, discussion, and written assignments.

Note: Intended for both creative writers and general students.

***Dramatic Arts 40. Introduction to Stage Combat - (New Course)**

Catalog Number: 4551 Enrollment: Limited to 15.

Robert Scanlan

Half course (fall term). M., W., 1:30–3. EXAM GROUP: 6

This course will explore fundamental principles of theatrical combat that are applicable to both classic and contemporary plays. An acting class using physical exchanges rather than lines of dialogue, this course teaches techniques of safety and illusion through shared-weight techniques such as, pushes, chokes, and hair grabs; contact and non-contact strikes, such as slaps, punches, and kicks; and falls and rolls. Time permitting, we will investigate the use of Elizabethan rapier.

Dramatic Arts 90qw. Contemporary Theatre - (New Course)

Catalog Number: 4707 Enrollment: Limited to 15.

Gideon M. Lester and Martin Puchner

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course focuses on the process of adaptation, how contemporary directors adapt dramatic and non-dramatic texts for the stage and how contemporary dramatists appropriate and explode classical models, such as Greek and Elizabethan drama. The seminar, a joint venture between ART and English, is also fully integrated with the spring season at the ART. Productions by Peter Brook, Richard Schechner, the Wooster Group; plays by Mee, Kane, Greig, Wellman, among others.

Cross-listed Courses

***English Ckr. Introduction to Playwriting**

***English Clr. Introduction to Screenwriting**

***English 90pb. Dramatic Structure and Analysis**

***English 90qc. Ibsen, Shaw, and Chekhov**

***English 90qe. Pinter, Stoppard, Churchill, & Frayn**

English 162c. Modern Drama

English 163 (formerly Dramatic Arts 64). Dramatic Literature from the Greeks to Ibsen

French 137. 20th-Century French Theater

[German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century]

[Historical Study B-06. The Roman Games]

Italian 40. Advanced Oral Expression: Teatro dal vivo



Literature and Arts A-35. Tragic Drama and Human Conflict
Portuguese 155. Performing Arts, Literature and Culture in Modern Brazil

Earth and Planetary Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Earth and Planetary Sciences

John H. Shaw, Harry C. Dudley Professor of Structural and Economic Geology, Harvard College Professor (*Chair*)

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry

Jeremy Bloxham, Mallinckrodt Professor of Geophysics and Professor of Computational Science, Divisional Dean for the Sciences

Adam M. Dziewonski, Frank B. Baird, Jr. Professor of Science

Brian F. Farrell, Robert P. Burden Professor of Meteorology (*on leave fall term*)

Paul F. Hoffman, Sturgis Hooper Professor of Geology

John P. Holdren, Professor of Environmental Science and Public Policy (*FAS*) and Teresa and

John Heinz Professor of Environmental Science and Public Policy (*Kennedy School*)

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 (*on leave spring term*)

Stein B. Jacobsen, Professor of Geochemistry

Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences (*on leave spring term*)

Zhiming Kuang, Assistant Professor of Climate Science

Charles H. Langmuir, Higgins Professor of Geochemistry (*Director of Graduate Studies*)

Charles R. Marshall, Professor of Biology and of Geology

Scot T. Martin, Gordon McKay Professor of Environmental Chemistry (*on leave 2007-08*)

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography

Michael B. McElroy, Gilbert Butler Professor of Environmental Studies

Brendan J. Meade, Assistant Professor of Earth and Planetary Sciences

Sujoy Mukhopadhyay, Assistant Professor of Geochemistry

Richard J. O'Connell, Professor of Geophysics

Ann Pearson, Thomas D. Cabot Associate Professor of Earth and Planetary Sciences (*Co-Head Tutor*)

James R. Rice, Mallinckrodt Professor of Engineering Sciences and Geophysics

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental



Science and Engineering

Sarah Stewart-Mukhopadhyay, Assistant Professor of Planetary Science

Eli Tziperman, Pamela and Vasco McCoy, Jr. Professor of Oceanography and Applied Physics
(on leave fall term)

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

Kelly V. Chance, Lecturer on Earth and Planetary Sciences

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

Michael B. McElroy

Half course (fall 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 Core area requirement for Science A.

Earth and Planetary Sciences 7. Introduction to Geological Sciences

Catalog Number: 0918

Sujoy Mukhopadhyay and Adam M. Dziewonski

Half course (fall term). M., W., F., at 10; 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 Core area requirement for Science A.

Earth and Planetary Sciences 8. History of the Earth

Catalog Number: 0166

Daniel P. Schrag and Peter John Huybers

Half course (spring term). M., W., F., at 10; two hours of laboratory weekly and two one-day



field trips. EXAM GROUP: 3

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: Weekend field trip.

Prerequisite: Secondary-school courses in science (physics, chemistry, biology) and calculus.

***Earth and Planetary Sciences 74. Field Geology**

Catalog Number: 7239

Paul F. Hoffman

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 and interpreting field observations, and preparing geological maps, stratigraphic sections and field reports. Field schools are selected students individually with the advice and approval of the instructor.

Note: Students must notify one of the EPS Co-Head Tutors and instructor of intention to enroll by May 1 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, Ann Pearson 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 one of the Co-Head Tutors is required for enrollment. May be counted for concentration only with the special permission of one of the Co-Head Tutors.

***Earth and Planetary Sciences 99r. Tutorial — Senior Year**

Catalog Number: 7120

Steven C. Wofsy, Ann Pearson 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. Signature of one of the Co-Head Tutors required for enrollment.

Cross-listed Courses

Astronomy 16. Stars and Gas in the Milky Way

For Undergraduates and Graduates

Earth and Planetary Sciences 100. Computer Tools for Earth Sciences

Catalog Number: 0235



Brendan J. Meade and Miaki Ishii

Half course (spring term). Tu., Th., 2:30–4 and three hours of laboratory work each week.

EXAM GROUP: 16, 17

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: Given in alternate years.

Prerequisite: Mathematics 1a and 1b, or equivalent

Earth and Planetary Sciences 107. Environmental Geochemistry

Catalog Number: 1242

Sujoy Mukhopadhyay and Ann Pearson

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

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 instructor.

[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 2008–09. Given in alternate years.

Prerequisite: EPS 7, or 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, 17

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 Nino, 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 21, 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

A fundamental introduction to the 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.

Prerequisite: A course in college-level chemistry, or equivalent, and Mathematics 1b.

[Earth and Planetary Sciences 137. Biogeochemistry]

Catalog Number: 1923

Ann Pearson

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

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 2008–09. Given in alternate years.

Prerequisite: A course in college-level chemistry or equivalent. Chemistry 17/27 strongly recommended.

[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. EXAM GROUP: 15, 16

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 2008–09. 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. 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). M., W., 1–2:30, lab: F., 1–3. EXAM GROUP: 6, 7

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

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: Expected to be given in 2008–09. 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 and Adam M. Dziewonski

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 structure of the Earth as inferred from seismology and implications for composition and dynamics. Seismic methods used in oil/gas exploration and environmental geophysics.

Note: 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 (spring 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 the instructor.

Earth and Planetary Sciences 180. Carbonates before Skeletons - (New Course)

Catalog Number: 8894

Paul F. Hoffman

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Marine carbonate sediments are natural archives of changes in chemical, physical and biological oceanography over geologic time. Mesozoic-Cenozoic carbonates are essentially accumulations



of biological skeletons, mostly microscopic. How were carbonate sediments produced and deposited in Precambrian time, before the evolution of skeletal animals? This course dissects well-studied Precambrian carbonate successions in northern Canada and southern Africa, revealing the processes and paleoenvironmental dynamics of carbonate sedimentation in oceans lacking skeletal organisms.

Prerequisite: EPS 5, 7 or 8.

Earth and Planetary Sciences 181. Paleontology and Historical Geobiology

Catalog Number: 5162

Andrew H. Knoll

Half course (fall term). M., W., at 11; three hours of laboratory weekly. EXAM GROUP: 4

Principles of paleontology, including the nature and completeness of the fossil record, systematics, biostratigraphy, and paleoecology; principal focus on the fossil record of evolution in the oceans and its relationship to Earth's dynamic environmental history.

Note: Given in alternate years.

Prerequisite: EPS 8, OEB 10, or permission of instructor.

Cross-listed Courses

Applied Mathematics 115. Mathematical Modeling

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 167. Environmental Assessment

[Engineering Sciences 168. Aquatic Chemistry]

[OEB 107. Evolution of Plant Life in Geologic Time]

OEB 113. Paleobiological Perspectives on Ecology and Evolution - (New Course)

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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Atmospheric physics and chemistry: stratospheric and tropospheric transport, photochemistry, and aerosols; stratospheric ozone loss, tropospheric pollution. Fundamentals of radiative transfer, simple models of the greenhouse effect.

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). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 and b, Physics 15 or equivalent. Preparation should be discussed with the instructor.

[Earth and Planetary Sciences 203. Earthquakes and Faulting]

Catalog Number: 4472

Brendan J. Meade and John H. Shaw

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

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 2008–09. Given in alternate years.

Prerequisite: Applied Mathematics 21a and b.

[Earth and Planetary Sciences 204 (formerly Earth and Planetary Sciences 267). Global Seismology]

Catalog Number: 4091

Miaki Ishii and Adam M. Dziewonski

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

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: Expected to be given in 2008–09. 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 2008–09. 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 and b or 15, or permission of the instructor.

[Earth and Planetary Sciences 209. Paleoclimate] - (New Course)

Catalog Number: 5594

Peter John Huybers

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

Earth's past climates are explored. Topics including glaciation, surface temperature excursions, and changes in ocean circulation are addressed using theory, models, and statistical analysis of the paleoclimate record.

Note: Expected to be given in 2008–09. Given in alternate years.

***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., 11:30–1, W., 4–5:30. EXAM GROUP: 4, 5, 9

Climate and climate variability phenomena and mechanisms. Basics, El Nino and thermohaline circulation, millennial and glacial-interglacial variability, snowball earth and more; hierarchical modeling approach.

Note: Expected to be given in 2008–09. 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 (spring 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.

Note: Expected to be given in 2008–09.

Prerequisite: Applied Mathematics 105b or permission of instructor.

[Earth and Planetary Sciences 236. Environmental Modeling and Analysis]

Catalog Number: 7250

Steven C. Wofsy and Daniel J. Jacob

Half course (spring term). Hours to be arranged; 1 hour weekly lab.

Introduction to atmospheric chemistry and biogeochemistry. Atmospheric transport processes, Eulerian and Lagrangian model frameworks, forward and inverse methods. Analysis of environmental data: visualization, time series analysis, Monte Carlo methods, statistical assessment. Students prepare projects and presentations.

Note: Expected to be given in 2008–09. 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 11a, b or 15, a course in college-level chemistry or equivalent, or more advanced courses; or permission of the instructors.

Earth and Planetary Sciences 237. Advanced Biogeochemistry

Catalog Number: 9320

Ann Pearson

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

Covers topics from 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: Given in alternate years.

Prerequisite: EPS 137 or equivalent, or permission of instructor.

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 240. Geochemical Transport and Kinetics

Catalog Number: 0187



Stein B. Jacobsen

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

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). Hours to be arranged.

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 2008–09. 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 2008–09. 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 244. Noble Gas Geochemistry]

Catalog Number: 1573

Sujoy Mukhopadhyay

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



Principles of noble gas geochemistry and geochronology and its application to specific problems in Earth and planetary sciences. Topics include surface exposure dating, (U-Th)/He and Ar-Ar thermochronometry, paleoclimatology, mantle evolution, and models of planetary atmosphere formation.

Note: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: Intended for graduates and advanced undergraduate students involved in geochemistry research. Permission of instructor.

[Earth and Planetary Sciences 250. Topics in Planetary Sciences]

Catalog Number: 1225

Sarah Stewart-Mukhopadhyay

Half course (spring 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 2008–09. Given in alternate years or upon announcement.

[Earth and Planetary Sciences 255r. Topics in Tropical Dynamics]

Catalog Number: 8807

Zhiming Kuang

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

Research seminar on current problems in tropical dynamics. Students will read and present journal articles on relevant topics, and will rotate responsibility for leading discussions.

Note: Expected to be given in 2008–09. Given in alternate years.

Earth and Planetary Sciences 260. Topics in Geophysics

Catalog Number: 2908

Richard J. O'Connell, Miaki Ishii, and Brendan J. Meade

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: This course is coordinated with a research course at MIT.

[Earth and Planetary Sciences 263. Earthquake Source Processes]

Catalog Number: 0542

James R. Rice and Renata Dmowska

Half course (fall term). M., W., 9–10:30. EXAM GROUP: 2, 3

Science of earthquakes including physics of source processes. Elastodynamics; seismic radiation; quantification of earthquakes; slip inversions. Fault strength and rheology; friction and fracture theory. Seismotectonics; stressing and seismicity in the earthquake cycle; earthquake interactions.

Note: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: EPS 166 or equivalent and further study at the 200 level in seismology or solid mechanics.



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: 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: Given in alternate years. Expected to be given in 2008–09.

[*Earth and Planetary Sciences 269r. Crustal Dynamics]

Catalog Number: 8157

Brendan J. Meade

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

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: Expected to be given in 2008–09. Given in alternate years.

[Earth and Planetary Sciences 270r. Structural Interpretation of Seismic Data]

Catalog Number: 8230

John H. Shaw

Half course (fall 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 2008–09. 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: 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 Geological Controversies

Catalog Number: 2474

Paul F. Hoffman

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

The history and importance of selected geological controversies-age of the earth, ice ages, continental drift, origin of granite, origin of the moon, mass extinctions-based on study of the primary literature.

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

[OEB 208r. Issues in Historical Paleobiology: Seminar]

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

***Earth and Planetary Sciences 331. Atmospheric Chemistry**

Catalog Number: 4038

Daniel J. Jacob 1781 (on leave spring term)

***Earth and Planetary Sciences 332. Dynamic Meteorology**

Catalog Number: 2802

Brian F. Farrell 7628 (on leave fall term)

***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 (on leave fall term)

***Earth and Planetary Sciences 336. Geophysical Fluid Dynamics**

Catalog Number: 8851

Eli Tziperman 4748 (on leave fall term)

***Earth and Planetary Sciences 337. Biological Oceanography**

Catalog Number: 5704

James J. McCarthy 4343

***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

***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 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. Seismology**

Catalog Number: 4447
Adam M. Dziewonski 3641 (on leave spring term)

***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. Precambrian Geology**

Catalog Number: 1161
Paul F. Hoffman 1507



***Earth and Planetary Sciences 385. Analytical Paleontology**

Catalog Number: 8129

Charles R. Marshall 2823

***Earth and Planetary Sciences 387. Paleobotany**

Catalog Number: 6983

Andrew H. Knoll 7425 (on leave spring term)

East Asian Languages and Civilizations

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of East Asian Languages and Civilizations

Michael J. Puett, Professor of Chinese History (*Chair*)

Ryuichi Abe, Reischauer Institute Professor of Japanese Religions (*on leave spring term*)

Mikael Adolphson, Associate Professor of Japanese History

Sarah M. Allen, Preceptor in Literary Chinese, Preceptor in East Asian Languages and Civilizations (*on leave fall term*)

Peter K. Bol, Charles H. Carswell Professor of East Asian Languages and Civilizations

Harold Bolitho, Professor of Japanese History (*on leave 2007-08*)

Eileen Cheng-yin Chow, Associate Professor of Chinese Literary and Cultural Studies (*on leave 2007-08*)

Edwin A. Cranston, Professor of Japanese Literature

Carter J. Eckert, Yoon Se Young Professor of Korean History

Mark C. Elliott, Mark Schwartz Professor of Chinese and Inner Asian History (*Director of Graduate Studies*)

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 (*on leave 2007-08*)

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave fall term*)

Hui-Yen Huang, Preceptor in Chinese

Wilt L. Idema, Professor of Chinese Literature (*Head Tutor*)

Wesley M. Jacobsen, Professor of the Practice of Japanese Language (*Director of the Japanese Language Program*)

Yuko Kageyama-Hunt, Preceptor in Japanese

Adam L. Kern, Associate Professor of Japanese Literature (*on leave 2007-08*)

Mi-Hyun Kim, Preceptor in Korean



Sun Joo Kim, Associate Professor of Korean History
Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus
Shigehisa Kuriyama, Reischauer Institute Professor of Cultural History
Kening Li, Preceptor in Chinese
Wai-yee Li, Professor of Chinese Literature
Satomi Matsumura, Senior Preceptor in Japanese
David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)
Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities (*on leave spring term*)
Binh Ngo, Senior Preceptor in Vietnamese (*Director of the Vietnamese Language Program*)
Sang-suk Oh, Senior Preceptor in Korean (*Director of the Korean Language Program*)
Stephen Owen, James Bryant Conant University Professor (*on leave 2007-08*)
Michael A. Szonyi, John L. Loeb Associate Professor of the Humanities
Xiaofei Tian, Professor of Chinese Literature (*on leave 2007-08*)
Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave fall term*)
David Der-Wei Wang, Edward C. Henderson Professor of Chinese Literature
Miaomiao Wang, Preceptor in Chinese
Xuedong Wang, Preceptor in Chinese
Melissa Wender, Visiting Lecturer on Japanese Studies
Emi Yamanaka, Preceptor in Japanese

Other Faculty Offering Instruction in East Asian Languages and Civilizations

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

Committee for the Social Science Program in East Asian Studies of the Department of East Asian Languages and Civilizations

Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*Chair*) (*on leave 2007-08*)
Theodore C. Bestor, Professor of Anthropology
Carter J. Eckert, Yoon Se Young Professor of Korean History
Alastair Iain Johnston, Governor James Albert Noe Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs
William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor (*on leave 2007-08*)
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave fall term*)
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
James L. Watson, Harvard College Professor and John King and Wilma Cannon Fairbank Professor of Chinese Society



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 course head.

East Asian Studies

Primarily for Undergraduates

***East Asian Studies 91r. Supervised Reading and Research**

Catalog Number: 0961

Wilt L. Idema 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 97a (formerly *East Asian Studies 97r). Introduction to East Asian Civilizations**

Catalog Number: 0306

Michael J. Puett

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

An introduction to the philosophies, religions, literature, history and the study of primarily premodern China, Korea, Japan, and Vietnam.

Note: Required of sophomore concentrators. Open to freshmen. EAS 97a and EAS 97b may be taken out of sequence.

***East Asian Studies 97b. East Asian Keywords**

Catalog Number: 2722

David Der-Wei Wang

Half course (spring term). Tu., 2–3:30. EXAM GROUP: 16, 17

Studying East Asia in the modern period makes sense less as a history of shared canons (or



shared 'Asian values') and more in terms of the region's shared historical, political, and cultural concerns. The course is organized in thematic units (or 'keywords') that cross national and disciplinary boundaries to introduce the various means by which one may approach the study of modern East Asia. Topics include the influx of new ideologies, processes of 'becoming modern,' transformation of societal and gender roles, and the positioning of East Asian area studies in the academy and the larger world.

Note: Required of sophomore concentrators. Open to freshmen. EAS 97a and EAS 97b may be taken out of sequence.

East Asian Studies 98a. Tutorial--Junior Year: State-Society Relations in Modern China - (New Course)

Catalog Number: 0964

Elizabeth J. Perry

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Junior Tutorial for students in the China Social Science track.

Note: EAS 98a or 98b or a substitution approved by the Head Tutor is required for all EAS concentrators. EAS 98c spring is required of junior concentrators.

East Asian Studies 98b. Junior Tutorial--State and Society in Contemporary Japan - (New Course)

Catalog Number: 8288

Susan J. Pharr

Half course (fall term). Tu., at 3. EXAM GROUP: 17

Junior Tutorial for students in the Japan Social Science track.

Note: EAS 98a or 98b or a substitution approved by the Head Tutor is required for all EAS concentrators. EAS 98c spring is required of junior concentrators.

***East Asian Studies 98c (formerly *East Asian Studies 98r). Junior Tutorial--Paper Writing Workshop**

Catalog Number: 0342

Wilt L. Idema

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

Junior Paper Writing Workshop

Note: EAS 98a or 98b or a substitution approved by the Head Tutor is required for all EAS concentrators. EAS 98c spring is required of junior concentrators.

***East Asian Studies 99. Tutorial — Senior Year**

Catalog Number: 0384

Wilt L. Idema and members of the Department

Full course. Hours to be arranged.

Thesis guidance under faculty direction.

For Undergraduates and Graduates

[East Asian Studies 160. Writing Asian Poetry]

Catalog Number: 0327



David McCann

Half course (spring term). Tu., Th., 10–11:30.

Readings in selected Chinese, Japanese, and Korean verse forms, and composition or imitation in English. Study of Li Po and Tu Fu (Chinese quatrain), 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 2008–09. No Asian language knowledge is required; all writing will be in English.

East Asian Studies 170. Medicine and the Body in East Asia and in Europe

Catalog Number: 5700

Shigehisa Kuriyama

Half course (fall term). M., W., at 11, and undergraduate section F. at 11 and graduate section W. at 12. 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.

[East Asian Studies 180. Asia 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 Asian culture scene, and then how these are linked to or disassociated from the past.

Note: Expected to be given in 2008–09.

Primarily for Graduates

East Asian Studies 200. The Uses and Meaning of the New Arts of Presentation - (New Course)

Catalog Number: 6509

Shigehisa Kuriyama

Half course (fall term). M., 7–9:30 p.m. EXAM GROUP: 9

Exploration of the new horizons of communication created by current media technology. The seminar's prime focus will be practical: students will experiment, by crafting their own illustrated texts, podcasts, multimedia presentations, and documentary-style movies, with fresh and creative ways to convey ideas and research.

East Asian Studies 205. Approches to the Comparative History of Medicine and the Body - (New Course)

Catalog Number: 2222

Shigehisa Kuriyama



Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 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.

Prerequisite: East Asian Studies 170, or other course in medical history or medical anthropology.

[East Asian Studies 211. Historical Theory and Methods]

Catalog Number: 3088

Michael J. Puett and Shigehisa Kuriyama

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

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 2008–09.

[East Asian Studies 220r. Medieval Japanese Picture Scrolls]

Catalog Number: 1685

Melissa M. McCormick

Half course (spring term). M., 1–3.

Focuses on *Minister Kibi's Trip to China (Kibi Daijin nittô-e)*, a late 12th century scroll in the Museum of Fine Arts, Boston. Examines text and image, production context, and historical Japanese diplomatic missions to China.

Note: Expected to be given in 2008–09.

[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). Hours to be arranged.

Introduction to research on East Asian medicine: historiography, methods, new horizons. with emphasis on close study of selected primary texts.

Note: Expected to be given in 2008–09.

Prerequisite: At least one year of classical Chinese or *Kambun*.

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). Hours to be arranged.

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 2008–09.

Prerequisite: Classical Japanese and *Kambun* are required.

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 (fall 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.

Prerequisite: Classical Japanese and *Kambun*.

Graduate Courses of Reading and Research

***East Asian Buddhist Studies 300. Reading and Research**

Catalog Number: 9811

Ryuichi Abe 4974 (on leave spring term) and Janet Gyatso (Divinity School) 4243

Cross-listed courses

Foreign Cultures 94. Buddhism and Japanese Culture - (New Course)

[*History of Art and Architecture 288m. Transmissions: Art and Zen Buddhism]

[Religion 2710r. Buddhist Studies: Seminar]

***South Asian Buddhist Studies 303. Reading and Research**

China: Language Courses

For Undergraduates and Graduates

Chinese Aab. Intensive Elementary Modern Chinese

Catalog Number: 0625

Binnan Gao

Full course (fall term). M. through F., 1–3. EXAM GROUP: 6, 7, 15

Intensive introduction to modern standard (Mandarin) Chinese pronunciation, grammar, conversation, reading, and writing.

Note: Satisfies prerequisite for second-year Chinese.

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

Nonintensive 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., 9, 10, 12, or 2; and three additional hours to be arranged. EXAM GROUP: 11

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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Non-intensive introduction to Cantonese dialect. Emphasizes basic pronunciation and colloquial usage.

Note: 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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continuation of Chinese Ca.

Note: 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). M., W., 3:30–5. EXAM GROUP: 8, 9

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 113b, Advanced Conversational Chinese.

Chinese 120a (formerly Chinese 101a). 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 (formerly Chinese 101b). 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.

Chinese 123b (formerly Chinese 101x). 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.

Chinese 125ab (formerly Chinese 102ab). Intensive Intermediate Modern Standard Chinese

Catalog Number: 0977

Binnan Gao

Full course (spring term). M. through F., 1-3. EXAM GROUP: 6, 15

Continuation of Chinese Aab.

Note: Satisfies prerequisite for third year Chinese.

Prerequisite: Chinese Aab, or Ba and Bb, or equivalent.

Chinese 130a (formerly Chinese 105a). Advanced Modern Chinese

Catalog Number: 6724

Kening Li

Half course (fall term). Sections Tu., Th., at 9, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 11

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.

Prerequisite: Two years of modern Chinese.



Chinese 130b (formerly Chinese 105b). Advanced Modern Chinese

Catalog Number: 2917

Kening Li

Half course (spring term). Sections T., Th., at 9, 11, or 2, and three additional hours to be arranged. EXAM GROUP: 11

Continuation of Chinese 130a.

Note: Conducted in Chinese.

Prerequisite: Chinese 130a.

Chinese 130xa. Advanced Modern Chinese for Heritage Students

Catalog Number: 9097

Congmin Zhao

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.

Chinese 130xb. Advanced Modern Chinese for Heritage Students - (New Course)

Catalog Number: 2437

Congmin Zhao

Half course (spring term). Section I: M., W., F., at 9 and 2 additional hours to be arranged; Section II: M., W., F., at 10 and 2 additional hours to be arranged; Section II: M., W., F., at 2; 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.

Chinese 140a (formerly Chinese 110a). 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.

Prerequisite: Chinese 130b.

Chinese 140b (formerly Chinese 110b). 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.

Chinese 142a (formerly Chinese 113a). Advanced Conversational Chinese

Catalog Number: 3900

Binnan Gao

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.

Prerequisite: Chinese 140a or equivalent.

Chinese 142b (formerly Chinese 113b). Advanced Conversational Chinese

Catalog Number: 1418 Enrollment: Limited to 12. per lecture section.

Binnan Gao

Half course (spring term). Section I: Tu., Th., 10–11:30, Section II: Tu., Th., 11:30–1. One additional hour of speaking practice to be arranged. EXAM GROUP: 12, 13

Spoken Chinese for advanced students.

Prerequisite: Chinese 130b or equivalent.

Chinese 150a. Formal Chinese Writing and Speaking

Catalog Number: 5621 Enrollment: Limited to 10.

Shengli Feng

Half course (fall term). Hours to be arranged. EXAM GROUP: 2

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.

Prerequisite: Chinese 140b or equivalent.

Chinese 150b. Formal Chinese Writing and Speaking

Catalog Number: 8111 Enrollment: Limited to 10.

Lu lei Su

Half course (spring term). Section I: M., W., at 9; Section II: M., W., at 11. EXAM GROUP: 2

Continuation of Chinese 150a.

Prerequisite: Chinese 150a.

[Chinese 163 (formerly Chinese 125). Business Chinese]

Catalog Number: 6558

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

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: Expected to be given in 2008–09. 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 188 (formerly Chinese 130). Traditional Chinese Philology

Catalog Number: 2801



Shengli Feng

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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.

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. EXAM GROUP: 16, 17

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 2008–09.

Prerequisite: Chinese 107b or equivalent.

Literary Chinese Courses

Chinese 106a. Introduction to Literary Chinese

Catalog Number: 1185

David Zebulon Raft

Half course (fall term). Section I: Tu., Th., 11:30–1 and an additional hour to be arranged; Section II: Tu., Th., 2:30–4 and an additional hour to be arranged. . 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

Sarah M. Allen

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

David Zebulon Raft



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

Sarah M. Allen

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., 3–4:30. EXAM GROUP: 17, 18

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 112. Chinese Popular Religion - (New Course)

Catalog Number: 5332

Ian D. Chapman

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Recent decades have seen a resurgence of religious practice in mainland China, and a growing recognition of the historical importance of religion in Chinese society. Both belie a perception of China as a predominantly secular society. Explore popular religious practices in their social and sectarian contexts, from the very ancient to the contemporary. Focus on the types of religious problems emphasized, and the range of solutions offered for them.

Chinese History 113. Society and Culture of Late Imperial China

Catalog Number: 8264

Michael A. Szonyi

Half course (fall term). M., W. at 11 and a weekly discussion section W. at 10. EXAM GROUP: 4

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. History of Relations between China and Inner Asia]

Catalog Number: 6134

Mark C. Elliott

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

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 20th 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: Expected to be given in 2008–09.

Cross-listed Courses

[Anthropology 1210. The Archaeology of Ancient China](#)

[Anthropology 1880. Chinese Culture and Society](#)

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

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road](#)

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

[*Freshman Seminar 37k. China's Confucian Classics: A Close Reading of the Four Books](#)

[*Freshman Seminar 42m. The Cold War in Asia: Individuals, Families, Villages - \(New Course\)](#)

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

[*History 1828. Christianity and Chinese Society: Research Seminar](#)

[History 1837. China's Foreign Affairs: Tradition and Transformation - \(New Course\)](#)

[\[History 1838. China and the Cold War\] - \(New Course\)](#)

[*History 1839. Ethnic Conflict in Twentieth-Century China: Research Seminar - \(New Course\)](#)

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

Primarily for Graduates

[Chinese History 200. Spatial and Prosopographical Analysis of China's History - \(New Course\)](#)

Catalog Number: 5606

Peter K. Bol

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

History takes place through the actions of people who live in time and space. The analysis of what large numbers of people spread across the landscape are doing and how their patterns of behavior change over time is made possible with modern computational techniques. This course explores the connections between China's traditional biographical and geographical sources and the use of modern information systems for the collection and analysis of biographical and geographical data, in past and present. Separate labs will provide instruction in the use and design of prosopographical databases and geographic information systems (GIS).



Chinese History 228. Introduction to Neo-Confucianism

Catalog Number: 2130

Peter K. Bol

Half course (fall term). M., 1–4. EXAM GROUP: 6, 7, 8

Introduces major Neo-Confucian texts for close reading and analysis. Selections from the writings and records of spoken instruction by Zhou Dunyi, Chang 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 (spring term). Tu., 1–4.

Examines various topics in the history of the Han Dynasty.

Note: Expected to be given in 2009–10.

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. EXAM GROUP: 15, 16, 17

Close reading of texts from the Warring States period.

Chinese History 251. Confucian Ethics: Conference Course

Catalog Number: 2428

Wei-Ming Tu

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

An exploration of salient features in the Confucian mode of moral reasoning.

Note: Offered jointly with the Divinity School as 3857.

Chinese History 256r (formerly Chinese History 256). Popular Religion in Late Imperial China: Texts and Methods

Catalog Number: 1081

Michael A. Szonyi

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

This seminar introduces the different types of primary materials useful for study of popular religion in late imperial China. Course meetings are spent translating and discussing these materials.

Prerequisite: Fluency in classical Chinese is required.

Cross-listed Courses

History 2822. Readings on the 1949 Revolution in China: Seminar

History 2823. Readings in Modern Chinese History: Proseminar - (New Course)

History 2837. China, Tibet, and the World in the Cold War Era: Seminar - (New Course)

[History 2848a. 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 (fall term). Hours to be arranged.

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; aesthetic responses to historical crises; “spectacular” violence and the martial arts genre. Please see website for a more detailed course description.

Note: Expected to be given in 2008–09. 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 Foreign Cultures.

[Chinese Literature 132. Chinatowns]

Catalog Number: 8316

Eileen Cheng-yin Chow

Half course (fall term). W., 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 2008–09. 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. EXAM GROUP: 6, 7

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.

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]



***Freshman Seminar 35j. Eating and Feeding One's Parents: Filiality in Traditional Chinese Literature**

***Freshman Seminar 35m. The Story of the Stone - (New Course)**

Literature and Arts A-57. State and Nation: Languages in Conflict

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 - (New Course)

[Literature and Arts B-48. Chinese Imaginary Space]

[Literature and Arts C-40. The Chinese Literati]

Primarily for Graduates

[Chinese Literature 200. Pre-modern Chinese Literary Studies]

Catalog Number: 2533

Xiaofei Tian

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

An introduction to the study of pre-modern Chinese literature, its history and customs, sources and resources, tools and methods, and theoretical issues.

Note: Expected to be given in 2009–10. 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., 1–2:30. EXAM GROUP: 6, 7

In-depth, scholarly introduction to history of Chinese literature and literary culture from antiquity through 1400, with bibliography and state of the field.

Note: Expected to be given in 2008–09.

Prerequisite: One year of literary Chinese or with instructor's permission.

[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 2008–09.

[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 2008–09.

[Chinese Literature 225. Visual Evidence]

Catalog Number: 7222

Eileen Cheng-yin Chow

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 2009–10.

Prerequisite: Advanced command of modern Chinese; ability to read classical Chinese.

[Chinese Literature 226. *Honglou meng* (Dream of the Red Chamber): Seminar]

Catalog Number: 0229

Wai-yee Li

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

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: Expected to be given in 2008–09.

[Chinese Literature 227r (formerly Chinese Literature 227). Early Chinese Historiography: Records of the Historian]

Catalog Number: 3773

Wai-yee Li

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

Studies the *Shiji* and ponders early Chinese conceptions of history by examining its rhetorical, narrative, and interpretive modes. We will examine how evolving and overlapping stories represent the claims and limits of historical knowledge.

Note: Expected to be given in 2008–09.

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 (spring 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 2008–09. Graduate seminar; qualified undergraduates require permission of instructor. Knowledge of one Asian literary or cultural tradition helpful.



Chinese Literature 231. Late-Ming Literature and Culture

Catalog Number: 2770

Wai-yee Li

Half course (fall term). Tu., 1–4. EXAM GROUP: 15, 16, 17

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.)

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. EXAM GROUP: 15, 16, 17

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.

Prerequisite: Reading knowledge of classical and pre-modern vernacular Chinese required.

Chinese Literature 242. From Fiction into History

Catalog Number: 2949

David Der-Wei Wang

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

[Chinese Literature 243r. Seminar: Chinese Literature and Culture - Chinese Literature in the Late Qing and Post-modern Eras]

Catalog Number: 2790

David Der-Wei Wang

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

This course studies Chinese literature at the turns of the twentieth and twenty-first centuries. It highlights fin-de-siècle cultural and conceptual dynamics and it uses a multiple approach to Chinese literary modernities.

Note: Expected to be given in 2008–09. Advanced reading knowledge of Chinese is required.

[Chinese Literature 247. Chinese Lyricism and Modernity]

Catalog Number: 8098

David Der-Wei Wang

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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 2008–09.



Chinese Literature 251. Liaozhai Zhiyi: Editions and Adaptations

Catalog Number: 6657

Wilt L. Idema

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

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.

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 (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

The topic this term will be the writings of Han Yu and his circle.

Note: Expected to be given in 2008–09.

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). Hours to be arranged.

Song lyric (*ci*) of the 10th and 13th century.

Note: Expected to be given in 2009–10.

Chinese Literature 270. From History into Fiction - (New Course)

Catalog Number: 3474

David Der-Wei Wang

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

Graduate Courses of Reading and Research

***Chinese 300. Reading and Research**

Catalog Number: 4849

Peter K. Bol 8014, Eileen Cheng-yin Chow 2308 (on leave 2007-08), Mark C. Elliott 3329, Wilt L. Idema 2511, Philip A. Kuhn 8051, Wai-ye Li 3357, Stephen Owen 7418 (on leave 2007-08), Michael J. Puett 1227, Michael A. Szonyi 4842, Xiaofei Tian 3746 (on leave 2007-08), Wei-Ming



Tu 7233, and David Der-Wei Wang 5190
Half course (fall term; repeated spring term). Tu., 1–4.

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. EXAM GROUP: 4

Introduction to *Kambun*.

Prerequisite: Japanese 106a or equivalent.

[Japanese 106c. Later Classical Japanese]

Catalog Number: 7307

Edwin A. Cranston

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

Post-Heian writings in Classical Japanese.

Note: Expected to be given in 2008–09.

Prerequisite: Japanese 106a or equivalent.



Japanese 120a (formerly Japanese 101a). Intermediate Japanese I

Catalog Number: 8152

Harumi Ono

Half course (fall term). Sections M. through F., at 9, 10, or 1. 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

Harumi Ono

Half course (spring term). Sections M. through F., at 9, 10, or 1. 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 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 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 Th., 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 Th., 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.

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 207. Japanese Historical Writing]

Catalog Number: 9716

Harold Bolitho

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

An introduction to historical source materials from the Tokugawa period (1600-1868).

Note: Expected to be given in 2008–09.

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., at 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 111a. Gods, Sovereigns, and Shoguns: The History of Early Japan]

Catalog Number: 3616

Half course (fall term). M., 1–3.

A survey of Japan from its prehistoric origins to the early 1500s, focusing on the emergence of the imperial state, court rulership and the rise of the samurai. Though dominated by the rulership, religions, and lifestyles of courtiers and warriors, the course also explores the cultural context within which elites, commoners, and those in between lived and prospered.

Note: Expected to be given in 2008–09.

[Japanese History 111b. The Shogun's Realm, 1600-1868]

Catalog Number: 1244

Harold Bolitho

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

Reading and discussion of writings on political institutions, land systems and agriculture, commerce, population, and intellectual developments from the late 16th to the mid-19th century.

Note: Expected to be given in 2008–09.

[Japanese History 115. Religion and Society in Edo and Meiji Japan]

Catalog Number: 5756

Helen Hardacre

Half course (fall term). Tu., 2–4.

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: Expected to be given in 2008–09. 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 2008–09.

Japanese History 126. Shinto: Conference Course

Catalog Number: 3097

Helen Hardacre

Half course (spring term). W., 4–6. EXAM GROUP: 9

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: 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. EXAM GROUP: 7, 8, 9

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.

[Japanese History 131. Constitutions and Civil Society in Japanese History] - (New Course)

Catalog Number: 6179

Helen Hardacre

Half course (spring term). W., 4–6.

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 2008–09. 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.

Cross-listed Courses

[Foreign Cultures 84. Tokyo](#)

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

[History 1851. 20th-Century Japan]

[History of Art and Architecture 18k. Introduction to Japanese Art](#)

Primarily for Graduates

[Japanese History 211. Introduction to Ancient and Medieval Japanese Historical Sources](#)

Catalog Number: 8174

Mikael Adolphson

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

An introduction to the reading and usage of original sources of ancient and medieval Japan with particular emphasis on Heian and Kamakura documents and diaries.

Prerequisite: Knowledge of classical Japanese and *Kambun*.

[Japanese History 212. Interpreting Edo Biographies]

Catalog Number: 9718

Harold Bolitho

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

A seminar based on the study of selected Japanese language works which address the lives and social interactions of individuals, warriors, and others of the Tokugawa period.

Note: Expected to be given in 2008–09.

[Japanese History 213. Sesshu - \(New Course\)](#)

Catalog Number: 0769

Melissa M. McCormick

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

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).

[Japanese History 220. Warriors, Monks, and Courtesans: Class and Gender Perspectives on Premodern Japan](#)

Catalog Number: 3176

Mikael Adolphson

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

This conference course will explore the worlds of clerics, artisans, and traders, as well as of



women in all stages of society in an attempt to incorporate categories that are commonly overlooked in traditional sources.

[Japanese History 224. Teaching Japanese Religions: Pedagogical Issues and Course Design]

Catalog Number: 6117

Helen Hardacre

Half course (fall term). W., 10–12.

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 2008–09. Offered jointly with the Divinity School as 3803.

Japanese History 260r. Topics in Japanese Cultural History

Catalog Number: 4539

Shigehisa Kuriyama

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

Reading of primary sources (including some cursive script texts) from Japanese cultural history.

Topic for 2007-08: Edo natural history (*honzôgaku*) and related fields.

Prerequisite: Advanced reading knowledge of modern Japanese and some acquaintance with (or at least concurrent study of) classical Japanese and *Kambun*.

Cross-listed Courses

***History 2851. Japanese History: Seminar**

History 2853 (formerly History 2904). Historiography of Modern Japan: Proseminar - (New Course)

Japan: Literature Courses

For Undergraduates and Graduates

Japanese Literature 114. Japanese Film - (New Course)

Catalog Number: 4151

Melissa Wender

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

This class examines Japanese films from the silent era through the present, and asks whether there is some particular stylistic quality that sets these films apart as Japanese. In addition, it places these films in the historical context of their production, considering how they comment upon that world. Some topics for discussion include: Zen and film style, modernity and the family, Asian masculinity and violence in the international arena.

[Japanese Literature 121a. History of Japanese Literature]

Catalog Number: 5891

Adam L. Kern



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

A broad overview of some of the most consequential, absorbing, and exquisitely wrought works of Japanese literature of the classical, medieval, and early modern periods (up to 1868), available in English translation.

Note: Expected to be given in 2008–09.

Japanese Literature 121b. Modern Japanese Literature

Catalog Number: 1069

Melissa Wender

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

This class surveys the prose fiction of Japan from the Meiji Restoration (1868) to the present. We ask how certain works of literature came to be part of the canon of modern Japanese literature while others were excluded, and thus consider the relationships among modernity, the nation, and literature. Readings include fiction by Nobel prizewinners Kawabata and Oe and the bestselling Murakami Haruki as well as lesser-known writers.

[Japanese Literature 123. Manga]

Catalog Number: 7021

Adam L. Kern

Half course (spring term). Tu., Th., at 2, and one additional hour to be arranged. EXAM GROUP: 16

Surveys the *manga*—the Japanese comicbook, comic strip, and graphic novel—from its precursors in classic picturescrolls, pasquinades, and woodblock-printed art and literature; through its progenitors in Meiji newspapers and magazines; to its modern and contemporary manifestations in subgenres like *mecha* and *shôjo*. Draws upon critical writings on popular culture, visual culture, cultural studies, literary history, cartoon art, and the poetics of visual-verbal narrative.

Note: Expected to be given in 2008–09. Japanese *not* required. Special sectioning for students with 3 or more years of modern Japanese to be arranged.

[Japanese Literature 124. The Tale of Genji in Word and Image]

Catalog Number: 2181

Melissa M. McCormick

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

This undergraduate seminar 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 Genji's afterlife in painting, prints, and the Noh theater. The class will include visits to art collections and the viewing of a Noh performance.

Note: Expected to be given in 2008–09.

Cross-listed Courses

[Foreign Cultures 85. Japan Pop: From Basho to Banana]

***Freshman Seminar 31g. The Pleasures of Japanese Poetry: Reading, Writing, and**



Translation

[Literature and Arts C-42. Constructing the Samurai]

Primarily for Graduates

Japanese Literature 200. Modern Japanese Women Writers - (New Course)

Catalog Number: 0987

Melissa Wender

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

This course is an introduction to literature by women in Japan, with a focus on works written in the modern era. In addition to fiction, poetry, and essays by Japanese women, we will read secondary historical, anthropological and theoretical works. Topics will include women's relationship to literary tradition, to industrial modernity, to militarist imperialism, and to capitalist globalization.

Japanese Literature 233r. Nara and Heian Court Literature

Catalog Number: 8614

Edwin A. Cranston

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Topic: *Genji monogatari*

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 242. Survey of Early Modern Japanese Literature]

Catalog Number: 0324

Adam L. Kern

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

Rapid readings of excerpts from major works across several genres of popular literature, including *kanazôshi*, *hyôbanki*, *ukiyo-zôshi*, *dangibon*, *sharebon*, *kibyôshi*, and *kokkeibon*.

Note: Expected to be given in 2009–10.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 243r. Major Writers: Santo Kyoden]

Catalog Number: 5558

Adam L. Kern

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

Close readings of the works of Santo Kyoden (1761-1816), to be selected from his humorous writings (*kibyoshi* and *sharebon*), popular fiction (*gokan* and *yomihon*), serious treatises (*zuihitsu*), and antiquarian writings (e.g. *Kottoshu*).

Note: Expected to be given in 2008–09.

Prerequisite: Japanese 106a or equivalent.

[Japanese Literature 250r. Gender and Japanese Art]

Catalog Number: 2144

Melissa M. McCormick

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Examines "women's pictures" (*onna-e*), a genre that emerged in the 11th century and continued



throughout the medieval period. Will utilize paintings associated with the term, primary and secondary texts, and theoretical works in English.

Note: Expected to be given in 2008–09.

Japanese Literature 251. Narrating Minority Identity in Japan - (New Course)

Catalog Number: 6900

Melissa Wender

Half course (fall term). Th., 2–5. EXAM GROUP: 16, 17, 18

This seminar examines Japan's minority communities both to learn about their history and to consider the relationship between narrative and minority identity. Texts include fiction, film, autobiography, ethnography, and theoretical works about minorities.

Prerequisite: Open to graduate students and advanced undergraduates. Japanese reading ability required.

Graduate Courses of Reading and Research

***Japanese 300. Reading and Research**

Catalog Number: 4627

Ryuichi Abe 4974 (on leave spring term), Mikael Adolphson 1878, Harold Bolitho 1176 (on leave 2007-08), Edwin A. Cranston 1186, Andrew Gordon 1891 (on leave 2007-08), Helen Hardacre 3191 (on leave fall term), Wesley M. Jacobsen 3443, Adam L. Kern 4195 (on leave 2007-08), Shigehisa Kuriyama 5269, Satomi Matsumura 2665, Melissa M. McCormick 5331 (on leave spring term), and Melissa Wender 5920

Korea: Language Courses

For Undergraduates and Graduates

Korean Ba. Elementary Korean

Catalog Number: 8739

Mi-Hyun Kim

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

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

Mi-Hyun Kim

Half course (spring term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Korean Ba.

Prerequisite: Korean Ba or equivalent.



Korean Bxa (formerly Korean Bx). Elementary Korean for Advanced Beginners

Catalog Number: 0120

Sang-suk Oh

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

Sang-suk Oh

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

Sang-suk Oh

Half course (fall term). M., W., F., at 11 and two additional hours to be arranged. EXAM GROUP: 4

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

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 120a.

Prerequisite: Korean 120a or equivalent.

Korean 130a (formerly Korean 103a). Pre-advanced Korean

Catalog Number: 2071

Mi-Hyun Kim

Half course (fall term). M., 2-4; and two additional hours to be arranged. EXAM GROUP: 7, 8
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

Mi-Hyun Kim

Half course (spring term). W., at 6, Th., 5–7 p.m.

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., 1–3; Th., 2–4. EXAM GROUP: 16

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., 11:30–1. EXAM GROUP: 13, 14

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.

Note: Expected to be given in 2008–09.

Korean History 118. Social History of Premodern Korea

Catalog Number: 3231

Sun Joo Kim

Half course (spring term). M., 1–4. EXAM GROUP: 6, 7, 8

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

[Foreign Cultures 80. Korea at 2100]

***Freshman Seminar 43w. History, Nationalism, and the World: the Case of Korea**
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 (fall term). Tu., 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. EXAM GROUP: 6, 7

Explores current historical research in the field of premodern Korea by reviewing major publications in the field in Korean.

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 (spring term). Hours to be arranged.

Reading and research of selected primary sources and secondary works on premodern Korean history.

Note: Expected to be given in 2008–09.

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., 3–5. EXAM GROUP: 17, 18

Reading and research in modern Korean history. Students are required to write a seminar paper based largely on primary materials.

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: Spring: 16, 17

Explores the history of the field through an examination of major scholarship. Designed primarily for graduate students preparing for the general examination.

Note: Expected to be given in 2008–09.

Korea: Literature Courses

For Undergraduates and Graduates

Korean Literature 120. Introduction to Modern Korean Narratives - (New Course)

Catalog Number: 5525

Young-jun Lee (Harvard University)



Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

This course surveys the literary and cultural topography that every serious student of Korea ought to know. Many of the major authors, works, and literary genres from the early 20th century to the present will be read and placed in their historical, cultural, and material contexts. Particular attention will be paid to the emergence of vibrant new urban and vernacular cultures in the course of modernization and the revolutionary cultural transformations after the 1990s.

Prerequisite: None. All readings are in English.

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 2008–09. 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. EXAM GROUP: 6, 7

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: Readings in English and Korean.

Prerequisite: Korean Literature 132 or equivalent.

Korean Literature 220. Critical Approaches to Modern Korean Literature - (New Course)

Catalog Number: 5066

Young-jun Lee (Harvard University)

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

This course discusses contemporary theoretical approaches to modern Korean literature. We will read major works and relevant criticisms as well as literary magazines, while drawing a bibliographical map on cultural narratives with historical perspective. Primarily for upper level undergraduate and graduate students.

Prerequisite: Third-year Korean and one course on Korean literature or history.

Graduate Courses of Reading and Research

***Korean 300. Reading and Research**

Catalog Number: 8122

Carter J. Eckert 1178, Sun Joo Kim 3821, Young-jun Lee (Harvard University) 5823 (spring term only), David McCann 3635 (on leave spring 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 2008–09.

[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 2008–09.

Manchu 120a (formerly Manchu C). 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 (formerly Manchu D). 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.

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.
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. EXAM GROUP: 12, 13

Study of classical Mongolian grammar, with introduction to pre-classical and classical Mongolian texts.

Mongolian B. Elementary Written Mongolian

Catalog Number: 8489

Mark C. Elliott

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

Continuation of Mongolian A.

[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 2008–09.

[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 2008–09.

Graduate Courses of Reading and Research

***Mongolian 300. Reading and Research**

Catalog Number: 1345



Mark C. Elliott 3329

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan and Himalayan Studies

Cross-listed Courses

[Religion 1705. Buddhism in Tibet]

[Tibetan 111. The History and Civilization of Tibet and the Buddhist Himalayas]

[Tibetan 219. Tibetan Religious Literature]

[Tibetan 227. History of Tibetology: Seminar - \(New Course\)](#)

Uyghur: Language Courses

For Undergraduates and Graduates

[Uyghur A. Elementary Uyghur - \(New Course\)](#)

Catalog Number: 8767

Mark C. Elliott

Half course (fall term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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 - \(New Course\)](#)

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.

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 advertisements to enhance reading skills.

Prerequisite: Vietnamese Ba or permission of the instructor.

Vietnamese 120a (formerly Vietnamese 101a). Intermediate Vietnamese

Catalog Number: 3276

Binh Ngo

Half course (fall term). M., W., F., at 10, and two additional hours to be arranged. EXAM GROUP: 3

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 (formerly Vietnamese 101b). Intermediate Vietnamese

Catalog Number: 6178

Binh Ngo

Half course (spring term). M., W., F., 10 and 2 additional hours to be arranged. EXAM GROUP: 3

Continuation of Vietnamese 120a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 120a or permission of the instructor.

Vietnamese 130a (formerly Vietnamese 103a). Advanced Vietnamese

Catalog Number: 6287

Binh Ngo

Half course (fall term). M., W., at 11; Th., 4-6. EXAM GROUP: 4

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 (formerly Vietnamese 103b). Advanced Vietnamese

Catalog Number: 3968

Binh Ngo

Half course (spring term). M., W., F., at 11 and 2 additional hours to be arranged. EXAM GROUP: 4

Continuation of Vietnamese 130a.

Note: Conducted entirely in Vietnamese.

Prerequisite: Vietnamese 130a or permission of the instructor.

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 1820. Premodern Vietnam

[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

James H. Stock, Professor of Economics (*Chair*)

Philippe Aghion, Robert C. Waggoner Professor of Economics

Alberto F. Alesina, Nathaniel Ropes Professor of Political Economy (*Director of Graduate Studies*)

Attila Ambrus, Associate Professor of Economics

Pol Antràs, Professor of Economics

Silvia Ardagna, Assistant Professor of Economics

Beatriz Armendariz, Associate of the Department of Economics

Susan Athey, Professor of Economics (*on leave spring term*)

Robert J. Barro, Paul M. Warburg Professor of Economics

Efraim Benmelech, Assistant Professor of Economics

John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics

Gary Chamberlain, Louis Berkman Professor of Economics

Richard N. Cooper, Maurits C. Boas Professor of International Economics

David M. Cutler, Otto Eckstein Professor of Applied Economics, Dean for the Social Sciences in the Faculty of Arts and Sciences

Ulrich Doraszelski, Assistant Professor of Economics

Emmanuel Farhi, Assistant Professor of Economics

Martin Feldstein, George F. Baker Professor of Economics

Erica M. Field, Assistant Professor of Economics



Christopher L. Foote, Visiting Lecturer on Economics, Associate of the Department of Economics
 Richard B. Freeman, Herbert S. Ascherman Professor of Economics
 Benjamin M. Friedman, William Joseph Maier Professor of Political Economy
 Roland G. Fryer, Assistant Professor of Economics, Professor of Economics
 Nicola C. Fuchs-Schündeln, Assistant Professor of Economics (*on leave fall term*)
 Drew Fudenberg, Frederic E. Abbe Professor of Economics (*on leave spring term*)
 Robert Gibbons, Frank W. Taussig Research Professor of Economics (*Massachusetts Institute of Technology*)
 Paola Giuliano, Visiting Lecturer on Economics, Associate of the Department of Economics (*International Monetary Fund*)
 Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics
 Claudia Goldin, Henry Lee Professor of Economics
 Michael Golosov, Visiting Assistant Professor (*MIT*) (*spring term only*)
 Gita Gopinath, Assistant Professor of Economics (*on leave fall term*)
 Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
 Oliver S. Hart, Andrew E. Furer Professor of Economics
 Elhanan Helpman, Galen L. Stone Professor of International Trade (*on leave spring term*)
 Hsueh-Ling Huynh, Visiting Assistant Professor of Economics (*Boston University*) (*fall term only*)
 Rustam Ibragimov, Assistant Professor of Economics
 Guido W. Imbens, Professor of Economics
 Dale W. Jorgenson, Samuel W. Morris University Professor
 Lawrence F. Katz, Elisabeth Allison Professor of Economics
 Michael R. Kremer, Gates Professor of Developing Societies
 David I. Laibson, Robert I. Goldman Professor of Economics, Harvard College Professor
 Gregory M. Lewis, Assistant Professor of Economics
 N. Gregory Mankiw, Robert M. Beren Professor of Economics
 Stephen A. Marglin, Walter S. Barker Professor of Economics
 James L. Medoff, Meyer Kestenbaum Professor of Labor and Industry
 Jeffrey A. Miron, Senior Lecturer on Economics (*Director of Undergraduate Studies*)
 Markus M. Möbius, Associate Professor of Economics
 Marcelo J. Moreira, Associate Professor of Economics (*on leave spring term*)
 Julie H. Mortimer, Associate Professor of Economics (*on leave spring term*)
 Sendhil Mullainathan, Professor of Economics
 Roger B. Myerson, Visiting Professor of Economics (*The University of Chicago*) (*spring term only*)
 Nathan J. Nunn, Assistant Professor of Economics
 Ariel Pakes, Steven McArthur Heller Professor of Economics
 Stephen James Redding, Visiting Associate Professor of Economics (*London School of Economics*) (*fall term only*)
 Kenneth Rogoff, Thomas D. Cabot Professor of Public Policy
 Alvin E. Roth, George Gund Professor of Economics (*FAS*) and George Gund Professor of Economics and Business Administration (*Business School*) (*on leave fall term*)
 Matthias Schündeln, Assistant Professor of Economics and of Social Studies (*on leave 2007-08*)
 Amartya Sen, Lamont University Professor



Andrei Shleifer, Professor of Economics

Jeremy C. Stein, Moise Y. Safra Professor of Economics (*on leave 2007-08*)

Lawrence H. Summers, Charles W. Eliot University Professor

Adam Szeidl, Visiting Assistant Professor of Economics (*University of California, Berkeley*)
(*spring term only*)

Aleh Tsyvinski, Assistant Professor of Economics, Associate Professor of Economics (*on leave fall term*)

John J. Wallis, Visiting Professor of Economics (*University of Maryland*) (*spring term only*)

Martin L. Weitzman, Professor of Economics

Jeffrey G. Williamson, Laird Bell Professor of Economics (*on leave spring term*)

Other Faculty Offering Instruction in the Department of Economics

Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*) (*on leave spring term*)

George P. Baker, Class of 1966 Professor of Business Administration (*Business School*)

Lucian A. Bebchuk, William J. Friedman and Alicia Townsend Friedman Professor of Law, Economics, and Finance (*Law School*)

David Canning, Professor of Economics and International Health (*Public Health*)

Richard E. Caves, Nathaniel Ropes Professor of Political Economy, Emeritus

Peter A. Coles, Assistant Professor of Business Administration (*Business School*)

Mihir A. Desai, Associate Professor of Business Administration (*Business School*)

Richard G. Frank, Margaret T. Morris Professor of Health Care Policy (*Medical School*)

Jeffrey A. Frankel, James W. Harpel Professor of Capital Formation and Growth (*Kennedy School*)

Robert T. Jensen, Associate Professor of Public Policy (*Kennedy School*)

Christine M. Jolls, Professor of Law (*Law School*)

Louis E. Kaplow, Professor of Law (*Law School*)

Jerold Kayden, Frank Backus Williams Professor of Urban Planning and Design (*Design School*)

Asim I. Khwaja, Associate Professor of Public Policy (*Kennedy School*)

Joshua Lerner, Jacob H. Schiff Professor of Investment Banking (*Business School*)

Jeffrey B. Liebman, Malcolm Wiener Professor of Public Policy (*Kennedy School*)

Robert C. Merton, George Fisher Baker Professor of Administration (*Business School*)

Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Public Health*) and Professor of Health Care Policy (*Medical School*)

Rohini Pande, Mohammed Kamal Professor of Public Policy (*Kennedy School*)

Dwight H. Perkins, Harold Hitchings Burbank Research Professor of Political Economy, Emeritus

James Robinson, Professor of Government (*on leave 2007-08*)

Dani Rodrik, Rafiq Hariri Professor of International Political Economy (*Kennedy School*)

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*)

Richard Tuck, Frank G. Thomson Professor of Government (*on leave 2007-08*)

Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)



Andres Velasco, Sumitomo Fasid Professor of International Development (*Kennedy School*)
Paul C. Weiler, Henry J. Friendly Professor of Law (*Law School*)

Department of Economics course listings are numerically ordered as follows:

900-999: Tutorials, Junior Seminars, and Senior Thesis Seminars in Economics

1000-1099 and 2000-2099: General Economics; Economic Theory; History of Economics

1100-1199 and 2100-2199: Econometrics and Quantitative Methods

1300-1399 and 2300-2399: Economic History; Development Economics

1400-1499 and 2400-2499: Monetary and Fiscal Theory and Policy; Public Sector Economics

1500-1599 and 2500-2599: International Economics

1600-1699 and 2600-2699: Industrial Organization and Regulation; Environmental Economics

1700-1799 and 2700-2799: Financial Economics

1800-1899 and 2800-2899: Labor, Human Resources, and Income Distribution; Urban Economics

2000-2999: Open to honors undergraduates with the permission of the instructor

3000-3999: Graduate Courses of Reading and Research

Social Analysis 10: Principles of Economics, which is listed under the Core Curriculum, is the full-year introductory course in Economics. Social Analysis 10 is designed both for potential concentrators and for those who intend no further work in the field. The Department of Economics strongly encourages students considering concentration to take this course in their freshman year. This is a required course for all Economics concentrators and a prerequisite for higher level courses in economics.

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 (spring term). Hours to be arranged. EXAM GROUP: 9

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 980 Junior Seminars

Junior seminars are designed to introduce students to research in a particular area of economics and to prepare students to undertake their own research project. All junior seminars require a major research paper. The seminar prerequisites are intermediate microeconomic and macroeconomic theory, statistics, and concurrent enrollment in econometrics; any additional prerequisites are listed with the individual seminar. These seminars are limited to 16 participants with preference given to Economics and Applied Math/Economics concentrators in their junior year. Enrollment in these seminars is determined by a lottery based on student preferences. Other Economics concentrators and undergraduate non-concentrators with the appropriate prerequisites may enroll in junior seminars on a space-available basis.

[*Economics 980a. Political Economics]

Catalog Number: 2341

Andrei Shleifer

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

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: Expected to be given in 2008–09.

***Economics 980b. Women, Work, and the Family: Present and Past**

Catalog Number: 1581

Claudia Goldin

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



The economic emergence of women has been the single most important change to the labor forces of many nations in the past century. Why and how did these changes occur and what have been their social, political, and demographic implications? Was there a revolution in gender roles and, if so, is it continuing or stalled? Readings draw on current economic theory, empirical analyses, and historical works and literature from the 19th century to the present.

***Economics 980c. The Economics of World Migration**

Catalog Number: 6200

Jeffrey G. Williamson

Half course (fall term). W., 2:30–4:30. EXAM GROUP: 7, 8, 9

This seminar will explore every economic dimension of world mass migration: north to north, south to south, and south to north. The seminar will explore the labor market and fiscal impact in immigrating countries, immigrant assimilation, the trade-immigration trade-off, the global capital-immigration connection, emigration determinants, emigrant selectivity, brain drain, remittances, and the political economy of immigration.

[*Economics 980e. Corporate Governance]

Catalog Number: 0331

Efraim Benmelech

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

This seminar investigates the different approaches to optimal governance structures of firms. We will survey current research on agency problems, the market for corporate control, executive compensation, corporate boards and tunneling.

Note: Expected to be given in 2008–09.

Prerequisite: Economics 1745 is recommended but not required.

***Economics 980f. Economics of Social Problems**

Catalog Number: 7655

Lawrence F. Katz

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

This course applies the tools of economics to understand key US social problems and to evaluate alternative market and government policies to address them. Issues to be studied include poverty and inequality; economics of the family; crime; neighborhood effects; low-wage labor markets; immigration; discrimination; homelessness; charitable behavior and welfare reform and other antipoverty strategies.

***Economics 980g. Topics in Economic Development**

Catalog Number: 3368

Michael R. Kremer

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Recent research on economic development. Social service delivery in health and education. Industrial sector. Goal is to enable students to identify research topics in economic development, learn how to define and analyze a problem. Emphasis on modeling and econometric techniques. Topics include returns to human capital, incentives on education, school choice, health service contracting, R&D. Firm related: business environment and firm responses, industry dynamics, effect of trade, FDI on productivity, wages.



***Economics 980h. The Industrial Organization of Health Care**

Catalog Number: 9901

Richard G. Frank (Medical School)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The seminar will apply economic theory and review empirical analyses of markets in health care. Four specific areas will be examined: 1) physician behavior and markets for physician services; 2) the role of non-profit hospitals; 3) price competition in the prescription drug market; and 4) markets for health insurance.

[*Economics 980i. Applied Econometrics]

Catalog Number: 9226

Marcelo J. Moreira

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

This course discusses statistical tools and econometric models with a focus on economic applications. Topics include panel data and time series models, forecasting, identification, measurement error, sample selection, and randomized experiments. Participants will explore problems that arise in econometric modeling and will discuss how to resolve them. The goal is to develop the ability to critically examine the economic and statistical analyses in newspaper articles and academic papers.

Note: Expected to be given in 2008–09.

Prerequisite: Economics 1123 or Economics 1126.

***Economics 980j. Europe and the US: Comparative Economic Analysis - (New Course)**

Catalog Number: 1892

Nicola C. Fuchs-Schündeln

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This seminar explores differences in the economic systems, preferences, and outcomes between Europe and the US. Topics include the welfare system, taxation, labor markets, female labor force participation, fertility, preferences for redistribution, migration.

***Economics 980k. Religion and Political Economy - (New Course)**

Catalog Number: 9110

Robert J. Barro

Half course (fall term). W., 2–4.

Theory and empirical analysis of interactions between religion and political economy. Subject matter includes research by economists and sociologists of religion, beginning with Adam Smith and Max Weber and extending to modern treatments. Demand-side models encompass the role of salvation and the secularization hypothesis. Supply-side models include the religion-market model, which stresses government regulation and state religions. Influences of religious beliefs and participation on economic growth, democracy, education, fertility, etc.

***Economics 980l. Macroeconomics & Politics - (New Course)**

Catalog Number: 9442

Emmanuel Farhi

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Topics include the political economy of economic growth, including the roles of democracy and



legal institutions; inflation, monetary policy, fiscal policy, and analyses of economic and monetary unions.

***Economics 980m. Market Design - (New Course)**

Catalog Number: 7401

Susan Athey

Half course (fall term). W., 4–6. EXAM GROUP: 9

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, matching markets (students to classes or schools, medical residents to hospitals, kidneys to recipients), health care markets, and electricity markets. The analysis relies on a mix of documenting the rules of real-world markets, game theoretic analysis, empirical analysis, and experimental work.

***Economics 980n. How Do We Fight Poverty? - (New Course)**

Catalog Number: 8524

Alberto F. Alesina

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This tutorial will examine recent debates about poverty reduction programs. It will touch upon issues such as whether economic growth is all one needs to reduce poverty, the relationship between growth and income inequality, the pros and cons of foreign aid, the role of the World Bank and IMF, whether free trade is beneficial for poor countries.

***Economics 980o. Health, Education, and Development - (New Course)**

Catalog Number: 7373 Enrollment: Limited to 16.

Erica M. Field

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

Advanced course addresses health and education issues in developing countries from the standpoint of economics, with a focus on modeling techniques and econometric methods. General topics include demographic transition, household models of production, and the role of health and educational inputs. Specific topics include: the return to education in developing countries, structural problems in delivery, education finance, health inequality, technology adoption and behavior, AIDS, and the impact of disease.

Note: A research paper is required. Concentrators may not take pass/fail.

Prerequisite: Economics 1010a (or 1011a) and 1123 (or 1126).

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

Full course. W., 2:30–4:30.

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

Full course. Fall: F., 3–5. EXAM GROUP: Fall: 8, 9

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

David Canning (Public Health)

Full course. Tu., 4:30–6:30.

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

Full course. Tu., 4–6.

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

Richard N. Cooper

Full course. M., 3–5:30.

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

Full course. W., 6–8 p.m.

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

Full course. Th., 4–6.

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

Full course. Th., 3–5.

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 the coordination of these 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 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 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

Hsueh-Ling Huynh (Boston University)

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

Economics 1011a is similar to Economics 1010a, but is 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 Core area requirement for Social Analysis.

Prerequisite: Mathematics 21a or permission of the instructor.

Economics 1011b. Macroeconomic Theory

Catalog Number: 6993

Aleh Tsyvinski 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 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

Jeffrey A. Miron

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. Specific 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 2008–09.

Prerequisite: Social Analysis 10a and concurrent enrollment in Social Analysis 10b.

Economics 1018. Cultural Economics

Catalog Number: 1775

Alberto F. Alesina and Paola Giuliano (International Monetary Fund)

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

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 1025. Theory of Capital and Income

Catalog Number: 0121

Martin L. Weitzman

Half course (spring term). M., W., 1–2:30; and a 1.5 hour weekly section 1–2:30 to be held Friday. EXAM GROUP: 6, 7

Mathematically advanced. Applies the maximum principle of optimal control theory to analyze a wide variety of dynamic economic models. Emphasizes basic principles and fundamental unity of all problems involving capital, investment, and time—including harvesting of renewable resources, extraction of non-renewable resources, analysis of dynamic environmental externalities, optimal growth, equilibrium of competitive stock markets, and the economic theory of the connection between income, accounting, sustainability, and share valuation.

Prerequisite: Economics 1011a and Mathematics 20.

Economics 1030. Psychology and Economics

Catalog Number: 4709 Enrollment: Limited to 80.

David I. Laibson and Andrei Shleifer

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

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.

Prerequisite: Social Analysis 10 and knowledge of univariate calculus.

Economics 1035. Policy Applications of Psychology and Economics

Catalog Number: 1687 Enrollment: Limited to 30.

Sendhil Mullainathan

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

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.

Prerequisite: Economics 1010a or 1011a.

Economics 1051. Game Theory in Economics

Catalog Number: 3692

Attila Ambrus

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

The course will provide participants with 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.

Prerequisite: Economics 1010a or 1011a.

Economics 1052. Introduction to Game Theory

Catalog Number: 2634

Markus M. Möbius

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

EXAM GROUP: 12, 13

An introduction to game theory and its applications to economics at a high level of rigor. Topics include extensive form and strategic form games, Nash equilibrium and Nash's existence theorem, subgame-perfect equilibrium, Bayesian equilibrium, and applications to repeated games, auctions, and bargaining.

Prerequisite: Economics 1011a and Mathematics 21a, or equivalent.

Primarily for Graduates

Economics 2001. The Behavioral & Experimental Economics Workshop

Catalog Number: 8732

Alvin E. Roth (FAS, Business School), Edward L. Glaeser, and David I. Laibson

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 Jerry R. Green

Half course (fall term). Tu., Th., 10–11:30; and a 1.5-hour 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 Roger B. Myerson (The University of Chicago)

Half course (spring term). Tu., Th., 10–11:30; and a 1.5-hour 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 1.5-hour 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, N. Gregory Mankiw, and Kenneth Rogoff

Half course (spring term). M., W., 8:30–10. 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) and Nolan H. Miller (Kennedy School)

Half course (fall term). M., W., 8:30–10; and a one-hour 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) and Nolan H. Miller (Kennedy School)

Half course (spring term). M., W., 8:30–10; and a one-hour 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 2040. Experimental Economics]

Catalog Number: 8485 Enrollment: Limited to 48.

Alvin E. Roth (FAS, Business School)

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

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: Expected to be given in 2008–09. Open to undergraduates with permission of the instructor. Offered jointly with the Business School as 4160.

Economics 2052. Game Theory I: Equilibrium Theory

Catalog Number: 3690

Adam Szeidl (University of California, Berkeley)

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

Attila Ambrus

Half course (fall term). Tu., 5:30–8:30 p.m. EXAM GROUP: 18

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.

Economics 2056. Market Design

Catalog Number: 3634

Alvin E. Roth (FAS, Business School) and Peter A. Coles (Business School)

Half course (spring 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 2057. Rational Choice]

Catalog Number: 3755

Amartya Sen

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

Rationality is a central idea in economics, law, politics and moral and political philosophy. This course will provide a critical examination of the different ways of characterizing rationality and its requirements.

Note: Expected to be given in 2008–09. Open to graduate students in Economics, Philosophy, Government and Law. Offered jointly with the Law School as 45510-11.

Economics 2058. Networks and Social Capital

Catalog Number: 2872

Markus M. Möbius

Half course (spring term). Hours to be arranged. EXAM GROUP: 18

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

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 2008–09.

Economics 2060. Contract Theory

Catalog Number: 1404

Philippe Aghion

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

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 - (New Course)

Catalog Number: 4138

Susan Athey

Half course (fall term). F., 1–4. EXAM GROUP: 6, 7, 8

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.

[Economics 2070. Economics of Information]

Catalog Number: 5647

Jerry R. Green

Half course (fall term). Tu., 6–9 pm. EXAM GROUP: 18

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 2008–09. Offered jointly with the Business School as 4165.

[Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory]

Catalog Number: 6576

Benjamin M. Friedman and Richard Tuck

Half course (fall 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 2008–09.

Prerequisite: A basic knowledge of economics is assumed.

Economics 2086. The Theory Workshop

Catalog Number: 6378

Jerry R. Green (fall term) and Drew Fudenberg (spring term) and members of the Department

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 - (New Course)

Catalog Number: 9529

Stephen A. Marglin

Half course (fall term). M., 4–6. EXAM GROUP: 9

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.



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

James H. Stock (fall term) and Rustam Ibragimov (spring term)

Half course (fall term; repeated spring term). Fall: Tu., Th., 11:30–1; Spring: Tu., Th., 1–2:30; and a one-hour 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.

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.

Prerequisite: Statistics 100 or preferably 110; Mathematics 20.

Economics 1127. Statistical Methods for Evaluating Causal Effects - (New Course)

Catalog Number: 9967

Guido W. Imbens and 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

Marcelo J. Moreira

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

Dale W. Jorgenson (fall term) and Gary Chamberlain (spring term)

Half course (fall term; repeated 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).

Prerequisite: Economics 2110 or equivalent.

[Economics 2130. Applied Econometrics](#)

Catalog Number: 2211

Dale W. Jorgenson

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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: Students complete a short research project in applied econometrics.

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

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

Ariel Pakes and Guido W. Imbens

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

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.

[Economics 2146. Topics in Financial Econometrics]

Catalog Number: 8715

Rustam Ibragimov

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

A discussion of modern topics in financial econometrics. Topics include testing for return predictability, inference in consumption-based asset pricing models, and estimation of continuous time models. Includes discussion of empirical applications.

Note: Expected to be given in 2008–09.

Prerequisite: Economics 2120 or equivalent.

Economics 2149. Computational Economics

Catalog Number: 7236

Ulrich Doraszelski

Half course (fall 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

James H. Stock and members of the Department

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

Beatriz Armendariz

Half course (spring term). Hours to be arranged, and a one-hour weekly section 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 2008–09.

Prerequisite: Economics 1010a or 1011a. Prior knowledge of economic development and international finance would be an advantage.

Economics 1340. Globalization and History

Catalog Number: 4025 Enrollment: Limited to 80.

Jeffrey G. Williamson

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

Globalization after 1492: first globalization boom 1800-1914, autarkic retreat 1914-1950, second globalization boom since 1950. Uses history to explore sources and impact of world market integration, emerging global capital markets, and mass migrations. Does going global foster growth? Who gains and who loses? Why doesn't more capital flow to poor countries? Why don't more poor people migrate? Who votes for protection? Who votes for migration restriction?

Note: Concentrators may not take pass/fail.

Prerequisite: Social Analysis 10.

[*Economics 1386. Health, Education, and Development]

Catalog Number: 6436 Enrollment: Limited to 20.

Erica M. Field

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

Advanced course addresses health and education issues in developing countries from the standpoint of economics, with a focus on modeling techniques and econometric methods. General topics include demographic transition, household models of production, and the role of health and educational inputs. Specific topics include: the return to education in developing countries, structural problems in delivery, education finance, health inequality, technology adoption and behavior, AIDS, and the impact of disease.

Note: Expected to be given in 2008–09. A research paper is required. Concentrators may not take pass/fail.

Prerequisite: Economics 1010a (or 1011a) and 1123 (or 1126).

Economics 1389. The Economics of Health and Development - (New Course)

Catalog Number: 1900



Amitabh Chandra (Kennedy School) and Erica M. Field

Half course (spring term). Tu., Th., 1–2:30; F., 1–2:30. EXAM GROUP: 15, 16

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] - (New Course)

Catalog Number: 5115 Enrollment: Limited to 80.

Beatriz Armendariz

Half course (spring term). Tu., Th., 11:30–1; and a one-hour weekly section to be arranged.

EXAM GROUP: 13, 14

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 2008–09.

Prerequisite: Economics 1011a and 1123.

Economics 1393. Poverty and Development

Catalog Number: 6516

Nathan J. Nunn

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

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.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Primarily for Graduates

Economics 2327. Economic Development: Theory, Policy, and Evidence

Catalog Number: 8092

Dani Rodrik (Kennedy School)

Half course (spring term). M., W., 11:40–1, and a review section F. EXAM GROUP: 4, 5

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.

Note: Expected to be given in 2008–09.

Economics 2333. Historical Perspectives on Current Economic Issues

Catalog Number: 6800

Claudia Goldin and John J. Wallis (University of Maryland)

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

Comparative economic history emphasizing the sources of economic growth. Subjects include labor systems, population change, migration, technology, industrialization, market integration, education, government, inequality, and the Great Depression. Each topic is motivated by a current concern.

Note: Satisfies the graduate distribution requirement. Open to undergraduates on a limited basis with permission of instructor.

[Economics 2335. The Industrial Sector in Developing Countries]

Catalog Number: 3876

Matthias Schündeln

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

Microeconomics of industrial sector development, focusing on the specific institutional environment of developing countries. Topics include role of financial markets, labor markets, and new technologies in explaining individual firm behavior, productivity, market structure, industry dynamics.

Note: Expected to be given in 2008–09.

***Economics 2339. The Economic History Workshop**

Catalog Number: 8183

Claudia Goldin (fall term); Claudia Goldin and John Wallis (spring term)

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

Robert J. Barro and members of the Department



Half course (fall term; repeated spring term). Hours to be arranged.

Topics on the interplay between religion and the social sciences.

Note: Expected to be given in 2008–09.

Economics 2390b. Development Economics I: Microeconomic Issues

Catalog Number: 2990

Sendhil Mullainathan

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

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

Half course (spring term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Topics include aggregative and non-aggregative growth models, growth and development accounting, models of technology diffusion and choice, the role of finance and foreign aid in the growth process, the role of trade, immigration, and population growth.

Economics 2390d. The Economic Growth and Development Workshop

Catalog Number: 1926

Michael R. Kremer and members of the Department

Full course. Fall: Tu., 2:30–4; Spring: W., 2:30–4. EXAM GROUP: Fall: 16, 17; 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 2390e. Topics in Development Economics]

Catalog Number: 8744

Sendhil Mullainathan

Half course (spring term). Tu., 6–8 pm. EXAM GROUP: 18

An introduction to aspects of performing field work in development economics. This course prepares students for field work through background readings, help in choice of field site, and teaching of empirical tools.

Note: Expected to be given in 2008–09. Students are expected to spend the summer doing field work and writing a major research paper.

Monetary and Fiscal Theory and Policy; Public Sector Economics

For Undergraduates and Graduates

Economics 1400. The Contents of Globalization: Issues, Actors, and Decisions - (New Course)

Catalog Number: 5906

Lawrence H. Summers and Lant Pritchett (Kennedy School)



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

Course will cover the economics and politics of globalization across an array of topics: international trade, development assistance, international financial flows, global warming, immigration/labor mobility, foreign investment. Within each topic we will discuss three elements: what are the important issues, illuminating the economic analytics crucial to understanding the topic; who plays a role in each of the issues to understand the motivations and constraints facing the actors engaged in globalization.

Note: Jointly offered with the Kennedy School as ITF-225. This course, when taken for a letter grade, meets the General Education requirement for Societies of the World.

Economics 1410. Public Sector Economics

Catalog Number: 6136

David M. Cutler, Mihir A. Desai (Business School), and Martin Feldstein

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

An economic analysis of taxation and government spending. Fundamental principles of taxation are developed and applied to current issues of tax policy. Discussion of government spending focuses on issues of health, education, and social security.

Note: Offered jointly with the Kennedy School as API-125.

Prerequisite: Economics 1010a or 1011a or permission of instructor.

Economics 1420. American Economic Policy

Catalog Number: 8110

Martin Feldstein and Jeffrey B. Liebman (Kennedy School)

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

Analyzes major issues in American economic policy including taxation, Social Security, welfare 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.

Prerequisite: Economics 1010a or 1011a, or permission of instructor.

[Economics 1430. Macroeconomics and Politics]

Catalog Number: 5549

Robert J. Barro and Emmanuel Farhi

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

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 2008–09.

Prerequisite: Economics 1010b or 1011b, or permission of the instructor.

Economics 1460. Economics of Health Care Policy

Catalog Number: 4540

Joseph P. Newhouse (Medical School)



Half course (spring term). M., W., 8:40–10. 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.

Prerequisite: Economics 1010a or 1011a. A statistics course is highly desirable.

[Economics 1471. Economics of Crime]

Catalog Number: 6848 Enrollment: Limited to 100.

Jeffrey A. Miron

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

Presents the economic model of crime and assesses the evidence that evaluates this model.

Specific topics include the roles of guns, drugs, abortion, the death penalty, and criminal justice policies in determining crime.

Note: Expected to be given in 2008–09.

Prerequisite: Social Analysis 10 and Statistics 100 (or equivalent).

Economics 1480. Moral Perspectives on Economic Growth

Catalog Number: 3441 Enrollment: Limited to 20.

Benjamin M. Friedman

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

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.

Prerequisite: Economics 1010a (or 1011a) and 1010b (or 1011b).

Cross-listed Courses

Primarily for Graduates

Economics 2410c. Advanced Topics in Macroeconomics - (New Course)

Catalog Number: 1746

Emmanuel Farhi and Michael Golosov (MIT)

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

[Economics 2410d. Aggregate Implications of Household and Firm Behavior]

Catalog Number: 9772

Nicola C. Fuchs-Schündeln

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

Deals with microeconomic foundations of macroeconomics. Covers a variety of topics, including consumption, wealth holdings, investment, and unemployment. Studies theory as well as



empirical evidence.

Note: Expected to be given in 2008–09.

Economics 2410e. Economic Growth

Catalog Number: 0681

Philippe Aghion

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

Covers a variety of advanced topics in economic growth and development, including the roles of factor accumulation, differences in productivity, technology adoption and technology diffusion, institutions and politics, culture and social capital.

[Economics 2410f. Advanced Topics in Closed and Open Economy Macroeconomics]

Catalog Number: 3832

Nicola C. Fuchs-Schündeln

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

Theory and empirics of microeconomic foundations of closed economy macroeconomics with incomplete markets. Further studies the importance of frictions in asset and good markets in explaining a variety of open economy macro puzzles.

Note: Expected to be given in 2008–09.

Economics 2410g. Political Economics

Catalog Number: 6758

Alberto F. Alesina and Andrei Shleifer

Half course (fall term). W., 4:30–6:30. EXAM GROUP: 9

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

Michael Golosov (MIT) and Emmanuel Farhi

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

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.

Economics 2420. Monetary and Fiscal Policy Seminar

Catalog Number: 5946

Aleh Tsyvinski, Philippe Aghion, Robert J. Barro (fall term), Benjamin M. Friedman and members of the Department

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 2450a. Public Economics and Fiscal Policy I

Catalog Number: 1339

Jeffrey B. Liebman (Kennedy School) and David M. Cutler

Half course (fall term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Topics include tax incidence, optimal tax theory, public goods and externalities, and empirical analysis of responses to taxation.

Economics 2450b. Public Economics and Fiscal Policy II

Catalog Number: 6478

David M. Cutler and Martin Feldstein

Half course (spring term). M., W., (F.), 11:30–1. EXAM GROUP: 4, 5

Surveys theoretical and empirical analyses of taxation and government expenditures. Special topics include taxes and corporate finance, social insurance and fiscal policy, including social security and health care.

Economics 2460. Health Economics Workshop

Catalog Number: 7617

David M. Cutler and Joseph P. Newhouse (Medical School)

Half course (spring term). Tu., 6–8 pm. EXAM GROUP: 18

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 2470. Law and Economics

Catalog Number: 5995

Andrei Shleifer and Louis E. Kaplow (Law School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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: Offered jointly with the Law School as 96203-31.

Economics 2480. The Public Economics and Fiscal Policy Workshop

Catalog Number: 6834

David M. Cutler and Martin Feldstein

Full course. M., 4–6. EXAM GROUP: 9

Focuses on current issues in the theory and practice of public finance, including both tax and expenditure policies.

***Economics 2490. The Economics of National Security Seminar**

Catalog Number: 9061

Martin Feldstein

Half course (spring term). Th., 6:30–9 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

Richard N. Cooper

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

The theory of exchange rate determination, capital markets, and macroeconomic policy in the open economy. Applications to such issues as the history of international monetary regimes, international policy coordination, debt crises, and the formation of currency unions.

Note: May not be taken for credit with Economics 1531

Prerequisite: Social Analysis 10.

Economics 1531. Economics of International Financial Policy

Catalog Number: 7018

Jeffrey A. Frankel (Kennedy School)

Half course (spring term). M., W., 2:40–4; and review section F., 11:40–1. EXAM GROUP: 7, 8

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

Pol Antràs

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

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

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

Covers advanced topics in international economics with a special emphasis on an analytical approach to the recent process of globalization. Topics include the effect of international outsourcing on wages, trade and industrial development, and the role of multinational firms in the global economy.

Note: Expected to be given in 2008–09.

Prerequisite: Economics 1535 and knowledge of calculus.

Economics 1542. International Trade Policy

Catalog Number: 2613

Stephen James Redding (London School of Economics)

Half course (fall term). M., W., 2–3:30. 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 (spring term). M., W., 1–2:30; and a one-hour weekly section to be arranged. 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.

Economics 2530b. International Finance

Catalog Number: 7144

Gita Gopinath

Half course (spring term). F., 9–12. EXAM GROUP: 2, 3, 4

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 and Nathan J. Nunn

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: Students are expected to make presentations and write a research paper. Offered jointly with the Kennedy School as ITF-345.

Prerequisite: Graduate level microeconomics and econometrics.

Economics 2540. The International Economics Workshop

Catalog Number: 4008

Elhanan Helpman 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 1600. Industrial Organization]

Catalog Number: 2584

Half course (fall term). M., W., 4–5:30.

Analysis of imperfectly competitive markets, focusing on the interactions between firm behavior, market structure, and market outcomes. Topics include oligopoly, collusion, firm entry, advertising, new product development, and price discrimination as well as public policy implications of market behavior.

Note: Expected to be given in 2008–09.

Prerequisite: Social Analysis 10 and Mathematics 1a.

[Economics 1640. Industrial Organization: Theory and Applications]

Catalog Number: 7875 Enrollment: Limited to 30.



Julie H. Mortimer

Half course (fall 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: Expected to be given in 2008–09. 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 (fall term), Ariel Pakes (spring term), and Gregory M. Lewis (spring term)

Half course (fall term; repeated spring term). Fall: M., W., 1–2:30; Spring: M., W., 4–5:30.

EXAM GROUP: Fall: 6, 7; Spring: 9

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 1661. Environmental and Resource Economics and Policy

Catalog Number: 2115

Robert N. Stavins (Kennedy School)

Half course (spring term). M., W., 1–2:30; with 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 (water, forests, land, fisheries), air pollution (stationary and mobile sources, acid rain, and global climate change), water pollution (point and nonpoint sources), waste management, and sustainable development and political aspects of environmental policy.

Note: Offered jointly with the Kennedy School as ENR-201.

Prerequisite: Social Analysis 10 or permission of instructor.

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 and Gregory M. Lewis

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 and Ariel Pakes (fall term); Ariel Pakes (spring term)

Half course (throughout the year). M., 2:30–4. EXAM GROUP: 7, 8

Economics 2665. The Economics of Organizations Workshop

Catalog Number: 9819

Oliver S. Hart and Robert Gibbons (Massachusetts Institute of Technology)

Half course (fall term; repeated spring term). Th., 2:30–4. EXAM GROUP: 16, 17

Note: Offered jointly with the Business School as 4230.

Economics 2670. Organizational Economics

Catalog Number: 6913

Oliver S. Hart and Robert Gibbons (Massachusetts Institute of Technology)

Half course (spring term). M., W., 10–11:30. EXAM GROUP: 3, 4

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: 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 (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 ENR-551y.

Prerequisite: Graduate-level course in microeconomic theory.

Financial Economics

For Undergraduates and Graduates

Economics 1723. Capital Markets

Catalog Number: 1917

John Y. Campbell

Half course (fall term). Tu., Th., 10–11:30, and a one-hour 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). T., Th., 1–2:30, and a one-hour 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 1760. Topics in Financial Economics]

Catalog Number: 4594

Jeremy C. Stein

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

Theory and empirical evidence on selected questions in financial economics, with an emphasis on current research. Topics include behavioral finance, market efficiency, and corporate investment and financing decisions.

Note: Expected to be given in 2008–09.

Prerequisite: Economics 1723.

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 (formerly Economics 2424). Finance Theory in Continuous Time

Catalog Number: 2614

Robert C. Merton (Business School)

Half course (spring term). M., 2:30–6. EXAM GROUP: 7, 8, 9

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: 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 and David S. Scharfstein (Business School)

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 - (New Course)

Catalog Number: 4451

Joshua Lerner (Business School) and William Robert Kerr

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: Jointly listed with the Business School as 4350

[Economics 2727. Empirical Methods in Corporate Finance]

Catalog Number: 9055

Joshua Lerner (Business School) and Paul Gompers (Business School)

Half course (spring term). Th., 2:30–5:30. EXAM GROUP: 16, 17, 18

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 2008–09. Structured to minimize overlap with Economics 2725. Seminar format; students write referee reports and a research paper. Jointly listed with the Business School as 4220.

[Economics 2728. Behavioral Finance]

Catalog Number: 8633

Jeremy C. Stein

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

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.

Note: Expected to be given in 2008–09.

***Economics 2770hf. The Financial Economics Workshop**

Catalog Number: 1379

Efraim Benmelech and John Y. Campbell

Half course (throughout the year). Spring: W., 4–5:30. EXAM GROUP: Spring: 9

Cross-Listed Courses

Labor, Human Resources, and Income Distribution; Urban Economics

For Undergraduates and Graduates

Economics 1812. The US Labor Market

Catalog Number: 0421

James L. Medoff

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

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.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).

Economics 1813. The Indebted Society

Catalog Number: 6957

James L. Medoff

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

In recent years, the U.S. 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.

Prerequisite: Economics 1010a (or 1011a) and Economics 1010b (or 1011b).



Economics 1816. Race in America

Catalog Number: 2483

Roland G. Fryer

Half course (fall term). W., 6–9 p.m. EXAM GROUP: 9

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.

Prerequisite: Social Analysis 10.

Economics 1818. Economics of Discontinuous Change

Catalog Number: 3029

Richard B. Freeman

Half course (spring term). Tu., Th., 1–2; and a one-hour 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.

[Economics 1822. Economics of Education]

Catalog Number: 1004 Enrollment: Limited to 40.

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

Explores why people attain different levels of education, what makes schools efficient, how schools should be financed, what explains rising college tuition, whether education propels macroeconomic growth. Uses labor economics (human capital investment, the market for teachers), public economics (financing K-12 education, public colleges), industrial organization (vouchers, charter schools, market for college education), macroeconomics (growth theory).

Note: Expected to be given in 2008–09. A research paper is required of most students, which makes this a good course for those considering honors theses.

Prerequisite: Economics 1010a or 1011a, or permission of the instructor.

Primarily for Graduates

Economics 2800b. Urban and Social Economics - (New Course)

Catalog Number: 5574

Edward L. Glaeser

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

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 Ph.D. 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 Ph.D. students interested in urban economics, but it is also meant to be accessible for advanced undergraduates.

Note: This course is meant to be a field class for Ph.D. students interested in urban economics, but it is also accessible for advanced undergraduates.

Prerequisite: Undergraduates must have taken Economics 1011a and receive instructor's permission. Graduate students must have taken 1011a, 2010a or 2020a.

[Economics 2801. Re-Thinking Cities]

Catalog Number: 9505

Edward L. Glaeser and Jerold Kayden (Design School)

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

Academic disciplines and professional fields employ a wide array of theories and technical approaches to study cities. With participation of scholars drawn from anthropology, economics, planning, architecture, law, sociology, political science, and other disciplines and fields, this course critically examines these ways of thinking about cities.

Note: Expected to be given in 2008–09. Jointly listed with the School of Design as GSD-3492 and the Kennedy School as HUT-202

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

Lawrence F. Katz

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 2008–09.

Economics 2811. Social Economics

Catalog Number: 5188

Roland G. Fryer

Half course (spring term). M., W., 8:30–10. EXAM GROUP: 1, 2

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, George J. Borjas (Kennedy School), 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 2813. Labor and Work Life Forum]

Catalog Number: 1415

Paul C. Weiler (Law School)

Half course (spring term). Th., 4–6.

Research and discussion with trade union leaders and management concerning labor issues.

Note: Expected to be given in 2008–09.

Economics 2880. Economics of Science - (New Course)

Catalog Number: 7488

Richard B. Freeman

Half course (spring term). Tu., 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 2888hf. Economics of Science and Engineering Workshop

Catalog Number: 6311

Richard B. Freeman

Half course (throughout the year). Meets bi-weekly: M., 3:30-5. EXAM GROUP: 8, 9

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.

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 (on leave fall term), Jerry R. Green 1539 (on leave spring term), David I. Laibson 1241, Markus M. Möbius 3441, and Alvin E. Roth 564 (on leave fall term)

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 3030hf. Psychology and Economics in the Field]

Catalog Number: 3877

Sendhil Mullainathan 5139

Half course (throughout the year). Hours to be arranged.

Participants present empirical applications of economics and psychology. Most topics will be proposed designs of field experiments.

Note: Expected to be given in 2008–09. Open to doctoral students only.

***Economics 3163hf. Research in Econometrics**

Catalog Number: 4392

Gary Chamberlain 1745, Rustam Ibragimov 5329, Guido W. Imbens 2671, Dale W. Jorgenson 2000, Marcelo J. Moreira 4365 (on leave spring term), 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, John J. Wallis (University of Maryland) 5861 (spring term only), and Jeffrey G. Williamson 7680 (fall term only)

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, Erica M. Field 5095, Robert T. Jensen (Kennedy School) 4548, Asim I. Khwaja (Kennedy School) 3994, and Jeffrey G. Williamson 7680 (on leave spring term)

Half course (throughout the year). Fall: W., 1–2:30; Spring: W., at 1.



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, Nicola C. Fuchs-Schündeln 5026 (on leave fall term), David I. Laibson 1241, and Aleh Tsyvinski 4981 (on leave fall term)

Half course (throughout the year). Tu., at 12.

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, Edward L. Glaeser 3219, and Lawrence F. Katz 1480

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. Research in Health Economics**

Catalog Number: 5309

Joseph P. Newhouse (Medical School) 2425

Half course (throughout the year). Hours to be arranged.

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, Gita Gopinath 5042 (on leave fall term), Elhanan Helpman 2334 (on leave spring term), and Joseph P. Newhouse (Medical School) 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 (on leave spring term), Richard E. Caves 1414, Ulrich Doraszelski 5024, Julie H. Mortimer 3993 (on leave spring term), and Ariel Pakes 1774

Half course (throughout the year). W., 2:30–4.

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

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). 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 (on leave 2007-08)

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, Roland G. Fryer 5523, and Claudia Goldin 2667

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

Frederick H. Abernathy, Gordon McKay Professor of Mechanical Engineering and Abbott and James Lawrence Professor of Engineering

Donald G. M. Anderson, Gordon McKay Professor of Applied Mathematics



Debra T. Auguste, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment, Tutor in Biochemical Sciences
 Roger W. Brockett, An Wang Professor of Electrical Engineering and Computer Science
 Federico Capasso, Robert L. Wallace Professor of Applied Physics
 Kenneth B. Crozier, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Marie D. Dahleh, Lecturer on Engineering Sciences (*Assistant Director of Undergraduate Studies*)
 Cornelia Dean, Visiting Lecturer on Engineering Sciences
 David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering
 Thomas C. Esselman, Lecturer on Engineering Sciences (*fall term only*)
 Brian F. Farrell, Robert P. Burden Professor of Meteorology (*on leave fall term*)
 Donhee Ham, John L. Loeb Associate Professor of the Natural Sciences
 Colleen M. Hansel, Assistant Professor of Environmental Microbiology on the Gordon McKay Endowment
 Paul Horowitz, Professor of Physics and of Electrical Engineering (*on leave 2007-08*)
 Robert D. Howe, Gordon McKay Professor of Engineering
 John W. Hutchinson, Abbott and James Lawrence Professor of Engineering and Gordon McKay Professor of Applied Mechanics
 Daniel J. Jacob, Vasco McCoy Family Professor of Atmospheric Chemistry and Environmental Engineering (*on leave spring term*)
 Navin Khaneja, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
 Zhiming Kuang, Assistant Professor of Climate Science
 H. T. Kung, William H. Gates Professor of Computer Science and Electrical Engineering
 Marko Loncar, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 L. Mahadevan, Lola England Professor of Applied Mathematics
 Scot T. Martin, Gordon McKay Professor of Environmental Chemistry (*on leave 2007-08*)
 Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
 Ralph Mitchell, Gordon McKay Professor of Applied Biology
 David J. Mooney, Gordon McKay Professor of Bioengineering
 Venkatesh Narayanamurti, John A. and Elizabeth S. Armstrong Professor of Engineering and Applied Sciences, Professor of Physics, Dean of the School of Engineering and Applied Sciences
 Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
 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
 Maurice A. Smith, Assistant Professor of Bioengineering on the Gordon McKay Endowment
 Garrett B. Stanley, Associate Professor of Biomedical Engineering on the Gordon McKay Endowment (*on leave spring term*)
 Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics
 Zhigang Suo, Allen E. and Marilyn M. Puckett Professor of Mechanics and Materials (*Director of Undergraduate Studies*)
 Vahid Tarokh, Perkins Professor of Applied Mathematics



Joost J. Vlassak, Gordon McKay Professor of Materials Engineering
Mai H. Vu, Lecturer on Engineering Sciences
Gu-Yeon Wei, Associate Professor of Electrical Engineering on the Gordon McKay Endowment
David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science
Patrick J. Wolfe, Assistant 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, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment

Other Faculty Offering Instruction in Engineering Sciences

Guido Guidotti, Higgins Professor of Biochemistry
Daniel M. Merfeld, Associate Professor of Otology and Laryngology (*Medical School*)
Sumeeta Srinivasan, Preceptor in Government

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 6. Environmental Science and Technology

Catalog Number: 2969

Peter P. Rogers

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 Core area requirement for Science B.

***Engineering Sciences 50. Introduction to Electrical Engineering**

Catalog Number: 4499

Todd Zickler and 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 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. EXAM GROUP: 6

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: Intended for freshmen and sophomores.

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 Kevin K. Parker

Half course (spring term). Tu., Th., 8–9:30, plus three hours per week of laboratory to be arranged. EXAM GROUP: 10, 11

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

Zhigang Suo 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 Division 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.

Woodward Yang

Half course (spring term). M., Th., 4–5:30. EXAM GROUP: 9, 18

Group project selected to provide experience in the processes and practice of engineering problem definition and solution as well as design and evaluation. As part of the course, the class may participate in an off-site field trip. The design seminar is 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 D. Howe

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 D. Howe

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 109. Science Fictions

Catalog Number: 5988

Cornelia Dean

Half course (spring term). Tu., 1–4. EXAM GROUP: 15, 16, 17

Political, economic or other imperatives skew public debates on issues in which science plays an important part. Seminar discusses why this is possible and how it plays out. Will deal with the public's knowledge of and attitudes toward science, the way people reason and perceive risk, the privatization of the nation's research agenda, and the politicization of science.

Engineering Sciences 120. Introduction to the Mechanics of Solids

Catalog Number: 1493

Zhigang Suo

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. Stress waves. Torsion. Beam theory with applications to beam deflections, vibrations, and buckling. Four 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 (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

Note: Expected to be given in 2008–09.

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

Debra T. Auguste and Howard A. Stone

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 J. Wood

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

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.

Note: May not be taken for credit in addition to Physics 151.

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

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

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.

Note: Expected to be given in 2008–09. Students who wish to cover the same material at a more advanced level should take Engineering Sciences 240.

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 (spring term). Tu., Th., 1–2:30. 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 analyzing a current tissue engineering strategy, or proposing a new approach to a current challenge.

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 and Thomas C. Esselman

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., 1–4. EXAM GROUP: 6, 7, 8

How are ideas generated through arts and sciences, and then "translated" into practices? This introduction to idea generation and development addresses their effects in social, economic, intellectual and cultural change. Students from all disciplines are guided by experts through individual and group idea translation projects. Significant in-class time devoted to group projects. Factors of effective idea translation focused through case studies, debate and interaction with visiting translators (e.g., theater directors, entrepreneurs, historians, composers, and others).

Note: Open to sophomores, juniors, and seniors by permission of instructor.

**[Engineering Sciences 148. Neural Signal Processing]**

Catalog Number: 0495

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

Examines the generation, transmission, and processing of signals in single nerve cells and in neural ensembles, with emphasis on physical principles and contemporary mathematical models. Develops relevant analytical techniques, including systems theory, filtering, Fourier analysis, stochastic processes, estimation, and network theory. Special attention is given to the physiology of the mammalian visual system.

Note: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics 15b. Engineering Sciences 145 is ideal preparation; MCB 80 may compensate for lesser preparation in mathematics or physics.

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

*Donhee Ham**Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13*

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

*Woodward Yang**Half course (fall term). Tu., Th., 2:30–4, and laboratory to be arranged. EXAM GROUP: 16, 17*



Analysis and design of electronic circuits using semiconductor devices. Topics include operational amplifier circuits; the physics of semiconductors; models of bipolar and field effect transistors; basic diode and transistor circuits; linear and nonlinear analysis of electronic circuits; computer simulation of electronic circuits with SPICE; analysis of analog circuit designs; digital integrated circuits and logic-families. Additional laboratories illustrate techniques for measurement and design of real electronic circuits.

Prerequisite: Differential equations and Fourier series as in Applied Mathematics 21b or Mathematics 21b, and electricity and magnetism as in Physics 11b or 15b.

Engineering Sciences 156. Signals and Systems

Catalog Number: 6284

Mai H. Vu

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. EXAM GROUP: 16, 17

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 2008–09.

Prerequisite: Engineering Sciences 156 or equivalent.

[Engineering Sciences 158. Digital Communications]

Catalog Number: 7721

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

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 2008–09.

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. EXAM GROUP: 15, 16

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 2008–09.

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 9 and a weekly lab session or section to be arranged.

EXAM GROUP: 2

Study of water as a critical resource and as a factor in Earth surface and near-surface processes. Includes 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 bed processes. Stream flows, turbulence concepts; gravity waves, flood control; tsunamis; erosion and sediment transport.

Note: Offered in alternate years. A version of the course which is suitable for graduate credit is offered as Engineering Sciences 262.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and Physics 11a or 15a; recommended background in fluid or solid mechanics at level of Engineering Sciences 120 or 123 or Earth and Planetary Sciences 131, 132 or 171 (students who lack such background will be provided with introductory material in the associated section).

[Engineering Sciences 165. Introduction to Environmental Engineering]

Catalog Number: 4274

Peter P. Rogers

Half course (spring term). M., W., 3:30–5. EXAM GROUP: 8, 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: Expected to be given in 2008–09. For undergraduates or graduates without background in environmental engineering.

Prerequisite: Exposure to the material in Applied Mathematics 21a or 21b (or equivalent), Engineering Sciences 101 and Chemistry 7 is recommended.

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 168. Aquatic Chemistry]

Catalog Number: 5874

Scot T. Martin

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

Applications of organic, inorganic, and physical chemistry to describe and quantify processes occurring in natural waters. Thermodynamics and kinetics of aqueous solutions, acid-base chemical transformations, role of dissolved carbon dioxide, gas-water exchange, complexation of aqueous metal ions, precipitation and dissolution, oxidation and reduction, electrical aspects of solid-solution interfaces, particle aggregation, trace metal cycling, and photochemistry.

Note: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: Chemistry 5 and 7 or equivalent.

Engineering Sciences 173. Electronic and Photonic Devices

Catalog Number: 3490

Federico Capasso

Half course (fall term). W., F., 3–4:30. EXAM GROUP: 8, 9

Broad course covering the physical foundations of modern electronics and photonics. Basic concepts of solid-state theory and semiconductor physics. P-n junctions. Bipolar Transistors. Field-effect transistors (MOSFET, MESFET, JFET). Semiconductor heterostructures and quantum wells. LEDs and laser diodes. Photodetectors: photodiodes, avalanche photodiodes. Modulators. Quantum Cascade Lasers.

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 laboratory session. 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

Shriram Ramanathan

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

David J. Mooney

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

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. Biological and biomedical materials (proteins, drug delivery devices, medical implants) are extensively used as examples.

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

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

Navin Khaneja



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. EXAM GROUP: 12, 13

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.

Prerequisite: Applied Mathematics 105a,b or equivalent. Some prior exposure to probability; Engineering Sciences 202 desirable but not essential.

***Engineering Sciences 207. Communicating Science**

Catalog Number: 5993 Enrollment: Limited to 20.

Cornelia Dean

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Many important public issues have strong science components but, generally, scientists are missing from public debates. This seminar discusses how the relative silence of scientists weakens our national discourse and encourages participation in this discourse.

Note: Through writing exercises, role playing, and the like, seminar offers practical suggestions on how to communicate scientific information in an engaging and useful fashion.

[Engineering Sciences 209. Nonlinear Control Systems]

Catalog Number: 1194

Roger W. Brockett

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

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 2008–09.

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: Expected to be omitted in 2008–09. 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 (fall term). M., 12–2. EXAM GROUP: 5, 6

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.

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 216. Biological Dynamics

Catalog Number: 8148

L. Mahadevan

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

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: Given in alternate years.

Prerequisite: Knowledge of undergraduate fluid/solid mechanics (or equivalent courses in physics), differential equations.

[Engineering Sciences 217r (formerly Engineering Sciences 217). Computational Neuroscience]

Catalog Number: 8112

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

A range of current topics in computational neuroscience at the systems level are presented. Discussions include spike trains, point processes, encoding/decoding, information theory, adaptation/plasticity, learning, and neural system identification.

Note: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: Applied Mathematics 105a and 105b or equivalent, linear algebra, probability and statistics. Coursework in signals and systems and/or control would be ideal.

[Engineering Sciences 218. Advanced Neural Signal Processing]

Catalog Number: 7709

----- and guest lecturers

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

Students are expected to meet all of the requirements of Engineering Sciences 148 and in addition are required to write a term paper with significant analytic emphasis.

Note: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: Applied Mathematics 21a or Mathematics 21a and physics at the level of Physics



15b. Engineering Sciences 145 is ideal preparation; MCB 80 may compensate for lesser preparation in mathematics or physics.

Engineering Sciences 220. Fluid Dynamics

Catalog Number: 2759

Howard A. Stone

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 flows at low Reynolds numbers. Potential flows and boundary layer theory. Introduction to turbulent flows, buoyancy-driven motions, and free-surface flows.

Prerequisite: Familiarity with classical mechanics, partial differential equations, and vector and tensor calculus. An undergraduate course in fluid dynamics is strongly recommended.

***Engineering Sciences 221. Drug Delivery**

Catalog Number: 8223 Enrollment: Limited to 30.

Debra T. Auguste

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

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.

Note: Expected to be given in 2008–09.

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 - (New Course)

Catalog Number: 4136

Guido Guidotti

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 225r. Special Topics in Fluid Dynamics]

Catalog Number: 3982

L. Mahadevan and Howard A. Stone

Half course (spring term). M., 4–6:30. EXAM GROUP: 9

Will provide an overview of fluid dynamics and transport processes relevant to microfluidics. Topics to be discussed include electrically driven flows, multiphase flows, dispersion, mixing, suspended particles, etc.

Note: Expected to be given in 2008–09.

Engineering Sciences 226r. Special Topics in Neural Engineering: Learning and Memory in Neural Systems - (New Course)

Catalog Number: 3086

Maurice A. Smith

Half course (spring term). W., 2–5.

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 (spring term). Tu., Th., 1–2:30. 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 research, write up, and present a formal proposal for a research project.

Prerequisite: Biochemistry or cell biology background.

Engineering Sciences 239. Advanced Innovation in Science and Engineering: Conference Course

Catalog Number: 8303 Enrollment: Limited to 28.

David A. Weitz and Thomas C. Esselman

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

Zhigang Suo

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

Mechanics of finite deformation; buckling instability. Thermodynamics of continua; thermoelasticity. Basic three-dimensional problems; inclusions and inhomogeneities. Plane elasticity and complex variable methods. Crack solutions. Elastic waves, vibrations.

Note: Expected to be given in 2008–09.

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. EXAM GROUP: 15, 16

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.

Prerequisite: Engineering Sciences 240 or equivalent.

[Engineering Sciences 247. Fracture Mechanics]

Catalog Number: 7152

Joost J. Vlassak

Half course (fall 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.

Note: Expected to be given in 2008–09.

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. EXAM GROUP: 12, 13

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 2008–09. 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

Mai H. Vu

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



Entropy and differential entropy, mutual information; data compression; channel capacity, the Gaussian channel; network information theory. Applications in communications, statistics, signal processing, computer sciences, economics, neurology and biology. Contemporary research topics.

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. EXAM GROUP: 12, 13

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: 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 - (New Course)

Catalog Number: 0239

Robert J. Wood

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

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

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.

Note: Expected to be given in 2008–09.

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. EXAM GROUP: 16, 17

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 2008–09.

Prerequisite: Engineering Sciences 156 or equivalent.

[Engineering Sciences 261. Design of Water Resource Systems]

Catalog Number: 3919

Peter P. Rogers

Half course (fall term). M., W., 3:30–5. EXAM GROUP: 8, 9

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 2008–09. 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. EXAM GROUP: 2

A version of Engineering Sciences 162 which is suitable for graduate credit. Has the same class meetings but requires a more demanding set of homework assignments and a class project involving review of a major research area.

Note: Offered in alternate years.

Prerequisite: Applied Mathematics 105a (may be concurrent) and 105b or equivalent, and an undergraduate background in fluid or solid mechanics.

Engineering Sciences 263. Applied Microbial Geochemistry - (New Course)

Catalog Number: 5384

Colleen M. Hansel

Half course (spring term). Th., 2–4:30. EXAM GROUP: 16, 17, 18

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.

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 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: Expected to be given in 2008–09. Given in alternate years.

Prerequisite: Physical Chemistry (e.g., Chemistry 60 or Engineering Sciences 168) and Applied Mathematics 21a,b or Mathematics 21a,b or equivalent.



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. Optics in 2006: High-speed wireline transceivers. Investigate modulation, equalization, clocking techniques, and design of high-speed, low-power building blocks.

Prerequisite: Computer Science 148 or Computer Science 248 or equivalent, and Engineering Sciences 154 or equivalent, or instructor approval.

Engineering Sciences 272. RF and High-Speed Integrated Circuits

Catalog Number: 5157

Donhee Ham

Half course (fall 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.

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. Optical Structures for Photon Confinement

Catalog Number: 8382

Marko Loncar

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

Optical structures that enable localization of photons: optical resonators, waveguides, fibers, photonic crystals, plasmons, meta-materials; nanoscale light emitters; interaction between light and matter; single-photon sources, threshold-less nanolasers, optical filters and switches; nanofabrication techniques.

Note: Open to graduate students and advanced undergraduates.

Prerequisite: Familiarity with undergraduate level electromagnetics (e.g. Engineering Sciences 151), solid-state physics (e.g. Applied Physics 195), and quantum mechanics (e.g. Physics 143a).

Engineering Sciences 274. Quantum Technology I

Catalog Number: 5645

Federico Capasso

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

The focus is on devices based on bandstructure engineering that have impacted photonics and communications. Semiconductor heterostructures. Quantum size effect; tunneling; superlattices; excitons; quantum confined Stark effect. Quantum well lasers; modulators. Quantum Cascade Lasers.

Prerequisite: Undergraduate level quantum mechanics such as Physics 143a or equivalent. Familiarity with basic solid-state physics (Applied Physics 195 or equivalent), semiconductor physics and electronic devices (Applied Physics 282, Engineering Sciences 154 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.

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

Howard A. Stone

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]

[Earth and Planetary Sciences 263. Earthquake Source Processes]

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 and Scanning Near-Field Optical Microscopy**

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 305,306. Manufacturing to Satisfy Stochastic Demand**

Catalog Number: 6157,6159

Frederick H. Abernathy 1047

***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. Computer Networks**

Catalog Number: 2848,2849

H. T. Kung 3155

***Engineering Sciences 319,320. Mobile Microrobotic Systems**

Catalog Number: 5306,5314

Robert J. Wood 5339

***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 (on leave 2007-08)

***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

***Engineering Sciences 333,334. Mechanics and Materials in Small Structures**

Catalog Number: 6528,5449

Zhigang Suo 4761

***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 341,342. Special Topics in Fluid Dynamics**

Catalog Number: 2231,2237

Howard A. Stone 2073

***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 347,348. Biological Systems Analysis and Control**

Catalog Number: 6761,3310

Garrett B. Stanley 2797 (on leave spring term)

***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 (on leave spring term)

***Engineering Sciences 363,364. Dynamic Meteorology**

Catalog Number: 3756,3757

Brian F. Farrell 7628 (on leave fall term)

***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 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 (on leave 2007-08)



***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

English and American Literature and Language

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of English and American Literature and Language

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(Chair) (on leave fall term)

Leo Damrosch, Ernest Bernbaum Professor of Literature, Acting Chair of the Department of
English and American Literature and Language (Acting Chair - fall term)

Daniel Albright, Ernest Bernbaum Professor of Literature (Acting Director of Undergraduate
Studies, spring term only)

Amy R. Appleford, Lecturer on English and American Literature and Language

Isobel Armstrong, Visiting Professor of English and American Literature and Language

Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities

Sven P. Birkerts, Briggs Copeland Lecturer on English and American Literature and Language

Lawrence Buell, Powell M. Cabot Professor of American Literature

Glenda R. Carpio, Associate Professor of African and African American Studies and of English
(on leave 2007-08)

Amanda Claybaugh, Visiting Associate Professor of English and American Literature and
Language

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English

Leland P. de la Durantaye, Assistant Professor of English and American Literature and Language

Daniel G. Donoghue, John P. Marquand Professor of English (Director of Undergraduate
Studies) (on leave spring term)

Christine Mary Evans, Briggs Copeland Lecturer on English

Philip J. Fisher, Felice Crowl Reid Professor of English and American Literature, Harvard
College Professor (on leave spring term)

Marjorie Garber, William R. Kenan, Jr. Professor of English and of Visual and Environmental
Studies (on leave spring term)

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor (on leave spring term)

Jorie Graham, Boylston Professor of Rhetoric and Oratory



Stephen J. Greenblatt, Cogan University Professor
Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore (*on leave spring term*)
Seamus Heaney, Ralph Waldo Emerson Poet in Residence
Bret A. Johnston, Senior Lecturer on English
Matthew Kaiser, Assistant Professor of English (*on leave fall term*)
Jamaica Kincaid, Visiting Lecturer on African and African American Studies and on English
Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English Literature (*Acting Director of Graduate Studies, fall term*) (*on leave spring term*)
Elizabeth D. Lyman, Assistant Professor of English
Michele C. Martinez, Lecturer on History and Literature and on English
Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave 2007-08*)
Elisa New, Professor of English
Peter C. Nohnberg, Assistant Professor of English
John M. Picker, Associate Professor of English
Leah Price, Professor of English and American Literature and Language, Harvard College Professor, Acting Chair of the Committee on Degrees in History and Literature
Martin Puchner, Visiting Professor of English and American Literature and Language
Peter Richards, Briggs-Copeland Lecturer on English
Peter Sacks, John P. Marquand Professor of English
Robert Scanlan, Professor of the Practice of Theater
Elaine Scarry, Walter M. Cabot Professor of Aesthetics and the General Theory of Value (*on leave spring term*)
Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English
Michael Shinagel, Senior Lecturer on English
James Simpson, Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)
Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave spring term*)
Patricia Spacks, Visiting Professor of English and American Literature and Language
John Stauffer, Professor of English and Professor of African and African American Studies (*on leave fall term*)
Jason W. Stevens, Assistant Professor of English (*on leave 2007-08*)
Gordon Teskey, Professor of English
Helen Vendler, Arthur Kingsley Porter University Professor
Nicholas Watson, Professor of English (*Director of Graduate Studies*)
James Wood, Professor of the Practice of Literary Criticism

Other Faculty Offering Instruction in the Department of English and American Literature and Language

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology (*on leave 2007-08*)
Biodun Jeyifo, Professor of African and African American Studies and of Literature and Comparative Literature
Robert J. Kiely, Donald P. and Katherine B. Loker Research Professor of English



English 10a and 10b, both required of concentrators, are often chosen as entry points to the study of English at Harvard. Students are invited, however, to begin at any other point that might seem better suited to their interests and level of preparation: a Freshman Seminar taught by faculty members from the English Department; English 97, the Sophomore Seminar that is required of concentrators; English 13, 17, 20, 34, or a 100 level course, all of which are taught in lecture or seminar-like 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 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 (spring term). W., 2–5.

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 samples of previously submitted writing.

***English Calr. Advanced Screenwriting: Adaptation - (New Course)**

Catalog Number: 1240 Enrollment: Limited to 15. At least one prior class in screenwriting or playwriting.

Christine Mary Evans

Half course (spring term). Tu., 2–5. EXAM GROUP: 16, 17, 18

This course combines creative work with reading, viewing and close analysis of a range of contemporary films based on works in another medium, along with their literary sources and selected theoretical accounts of adaptation. Study examples include Virginia Woolf's *Mrs. Dalloway* and its adaptations into the novel and then the screenplay *The Hours*; Raymond Carver's short stories with Robert Altman's *Short Cuts*; and Baz Luhrmann's *William Shakespeare's Romeo + Juliet*. Students develop their own feature-length screenplay through several drafts, based on a novel, short story, cycle of poems or other work chosen in consultation with the professor. The study and practice of adaptation from a literary to visual medium allows students to focus closely on the formal and structural requirements of storytelling in film, while also providing a creative framework for the demanding process of writing a feature-length screenplay.

Note: Admission based on previously submitted samples of writing.



***English Capr. Advanced Poetry Workshop**

Catalog Number: 6523 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). Two sections: W., 1–4 p.m. OR W., 4–7 p.m. EXAM GROUP: 15, 16, 17

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 previously submitted samples of writing.

***English Cbr. Topics in the Arts**

Catalog Number: 0032 Enrollment: Limited to 15.

Sven P. Birkerts

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

In this course we will take a broad hands-on survey of the various approaches to writing about the arts in a public voice. We will begin by looking at—and venturing—more comprehensive essayistic responses such as one might find in our various intellectual (not scholarly) journals, and end by reading and writing reviews. Considering different art forms and questioning the implications of aesthetic positions, we will fuse discussion and practice. Essays and reviews will be workshoped.

Note: Admission based on previously submitted samples of writing.

***English Cdr. Writing Memoir - (New Course)**

Catalog Number: 1739 Enrollment: Limited to 15.

Sven P. Birkerts

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

The focus of this course will be personal experience as refracted through the crystal of memory. You will study the elements of this kind of personal writing, read and discuss a number of different memoiristic essayists, and develop your own voice through an array of assignments. Weekly workshops and regular exploration of assigned readings will be the basis of class work.

Note: Admission based on previously submitted samples of writing.

***English Ckr. Introduction to Playwriting**

Catalog Number: 6781 Enrollment: Limited to 15.

Christine Mary Evans

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Plays are unusual beasts in the world of writing; they are design templates for live performance. Therefore, learning to think architecturally is a vital part of the playwrights' 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 previously submitted samples of writing.



***English Clr. Introduction to Screenwriting**

Catalog Number: 6121 Enrollment: Limited to 15.

Christine Mary Evans

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

Writing for film requires a strong grasp of dramatic structure along with an understanding of the visual and temporal potential of the medium. This workshop-based course will introduce students to the art and craft of writing screen-plays. It will combine intensive weekly writing and discussion of student work with reading screenplays and watching and analyzing films. All students will complete a one-act screen-play along with several shorter pieces.

Note: Admission based on previously submitted samples of writing.

***English Cpr. Poetry Writing**

Catalog Number: 3053 Enrollment: Limited to 15.

Peter Richards

Half course (fall term; repeated spring term). Fall: Tu., 1–4; Spring: Th., 1–4. EXAM GROUP: 15, 16, 17

A poetry workshop open by application to undergraduate and graduate students alike. In this class students will study modern and contemporary poets and can expect to submit their own poems on a weekly basis for peer review.

Note: Admission based on previously submitted samples of writing.

[*English Cpwr. Poetry Workshop]

Catalog Number: 4606 Enrollment: Limited to 15.

Jorie Graham

Half course (spring term). Th., 1–4. EXAM GROUP: 15, 16, 17

Open by application to both undergraduates and graduates. Please submit a portfolio including five poems, a letter explaining your interest in the class, and a list of relevant classes taken at Harvard or elsewhere. Class includes the discussion of literary texts as well as work written by students.

Note: Expected to be given in 2008–09. Admission based on previously submitted samples of writing.

***English Cqr. Advanced Poetry Writing**

Catalog Number: 2644 Enrollment: Limited to 15.

Peter Richards

Half course (fall term; repeated spring term). W., 1–4. EXAM GROUP: 6, 7, 8

An advanced poetry workshop with an emphasis on form, revision, and aleatory methods for generating new work. Readings include Guillaume Apollinaire, W.H. Auden, Anna Balakian, Gottfried Benn, Joe Brainard, Anne Carson, Joseph Ceravolo, John Cage, Jean Cocteau, Ann Lauterbach, James Merrill, Robert Motherwell, Leslie Scalapino, Gertrude Stein, Wallace Stevens among others.

Note: Admission based on previously submitted samples of writing.

***English Crr. Fiction Writing**

Catalog Number: 1893 Enrollment: Limited to 15.

Bret A. Johnston



Half course (fall term; repeated spring term). M., 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: Written assignments include exercises, typed critiques for each workshopped story, two original short stories, and at least one extended revision. Admission based on previously submitted samples of writing.

***English Csr. Fiction Writing**

Catalog Number: 2601 Enrollment: Limited to 15.

Katherine A. Vaz

Half course (fall term; repeated spring term). Tu., 3–5. EXAM GROUP: 17, 18

An introduction to the art and craft of fiction writing. Addresses the basics of character, plot, dialogue, imagery, setting, and description with weekly exercises and informal lectures. Reading assignments include works by Chekhov, O'Connor, Schultz, Cortázar, and Chute. Students are required to submit two stories and to provide thorough commentary on the work of colleagues. Short stories or portions of novels are acceptable.

Note: Admission based on previously submitted samples of writing.

***English Ctr. Advanced Fiction Writing**

Catalog Number: 7175 Enrollment: Limited to 15.

Bret A. Johnston

Half course (fall term; repeated spring term). W., 4–7 p.m. EXAM GROUP: 9

See English Crr. Students in the advanced class will also make presentations on craft, and be expected to revise work more often and to a higher standard.

Note: Admission based on previously submitted samples of writing. Generally for students who have previously taken fiction workshops.

***English Cwr. Advanced Fiction Writing**

Catalog Number: 7765 Enrollment: Limited to 15.

Katherine A. Vaz

Half course (fall term; repeated spring term). W., 1–3.

Students make weekly presentations on aspects of craft, and reading assignments include works by Schultz, Morrison, García Marquez, Munro, Rodoreda, and Fitzgerald. Two stories (or portions of novels) are required along with revisions of material (to be decided on a per project basis). Typed critiques must be provided for all work of colleagues under review.

Note: Admission based on previously submitted samples of writing.

***English Cyr. The Lyric Essay**

Catalog Number: 8545 Enrollment: Limited to 15.

Sven P. Birkerts

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

This course begins at the conventional center, with the personal essay, and moves outward to



explore more eccentric and associative modes of presentation. What kinds of departures succeed, and why? Students read a range of essays, shading increasingly toward the experimental as the term progresses. Principles of voice, narration, and structure will be addressed. Original and reflective/analytic assignments will be given. Essays will be workshopped.

Note: Admission based on previously submitted samples of writing.

II. Literature

Primarily for Undergraduates

Introductory Lecture Courses (two lectures, one discussion section weekly).

English 10a. Major British Writers I

Catalog Number: 8327

James Simpson

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

A chance to read profound works from four of the richest periods of English writing: Anglo-Saxon literature (unrivalled in the Europe of its time for power and sophistication); Anglo-Norman writing (Tristan and Isolde!); the late fourteenth-century (where Chaucer's is not the only exceptionally rewarding *oeuvre*); and from Spenser to Milton, including Shakespeare *en route*. Students encouraged both to immerse themselves in great works and to generate their own understanding of literary history.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 10b. Major British Writers II

Catalog Number: 0550

Daniel Albright

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

An introduction to the study of British literature from the early 18th century to the present.

Note: Open to freshmen. Two lectures and one section meeting per week. Required of English concentrators. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

[English 17. American Literature to 1915]

Catalog Number: 3883

Half course (fall term; repeated spring term). Hours to be arranged.

To fulfill the English 17 requirement in 2007-08, see English 171 and English 175.

Note: Expected to be given in 2008-09.

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 90aj. Jewish American Literature - (New Course)**

Catalog Number: 1607 Enrollment: Limited to 15.

Elisa New

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

This course offers an intense introduction to Jewish American literature 1850-present. Shorter readings in works by Lazarus, Cahan, Yeziarska, Schwartz, Gold, Trilling, Rahv, Parker, Bruce, Howe, Allen, Goodman, Goldstein, Englander and others bracket and inform study of major fictions by Bellow, Malamud, Roth and Ozick. Topics include: the relationship of Jewish-American writing to European languages and literatures; the magnetism--and violence--of the city; the intellectual imperative; the humorous imperative; the crucible of the family; the burden of the Holocaust.

***English 90at. The American Transcendentalists**

Catalog Number: 4748 Enrollment: Limited to 15.

Lawrence Buell

Half course (fall 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 also paid to precursors and legacy, e.g. Wordsworth, Whitman, Dickinson, etc.

***English 90cd. Introduction to Medieval Drama - (New Course)**

Catalog Number: 0415 Enrollment: Limited to 15.

Amy R. Appleford

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

This course examines dramatic texts and performance from the early Middle Ages up to and including the sixteenth century. Investigating ritual performance and the liturgy; carnival games and mummers' plays; civic drama and staging the Passion; court pageantry and spectacle; commercial theater, its reforming opponents, and the medieval stage of Marlowe and Shakespeare – considers the limits of performance (in drama, ritual, magic), the implications of playing God, and suffering as spectacle.

***English 90cl. Comic Literature through the Middle Ages**

Catalog Number: 8321 Enrollment: Limited to 15.

Daniel G. Donoghue

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to various kinds of literature broadly construed as comic, including drama, fabliaux, Latin lyrics, Chaucer, Middle Scots poetry and other genres up to Rabelais and Shakespeare. Non-English works read in a facing-page translation. With the help of Huizinga, Bakhtin, and later critics, students develop an understanding of what constitutes humor from this period, as well as the serious “institutions” that invite a comic reflex.

***English 90fh. Hamlets - (New Course)**

Catalog Number: 5034 Enrollment: Limited to 15.

Stephen J. Greenblatt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17



Intensive study of Shakespeare's tragedy, along with its sources, the history of its reception and performance, and its modern adaptations and transformations.

***English 90hv. Sex and Gender in Victorian Literature**

Catalog Number: 0225 Enrollment: Limited to 15.

Leah Price

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

How did Victorian literature shape gender roles, both exotic and familiar? And how did nineteenth-century ideas about sex shape a modern system of literary genres? Course considers sex and money, work and marriage, reading and shopping, domestic realism and utopian fantasy, feminism and anti-feminism, in fiction (Bronte, Dickens, Collins, Eliot, Conan Doyle, James), essays (Ruskin, Mill, Nightingale) and more ephemeral genres including pornography, cookbooks, and legal tracts.

***English 90ic. Coetzee and Ishiguro - (New Course)**

Catalog Number: 2202 Enrollment: Limited to 15.

Martin Puchner

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

J. M. Coetzee and Kazuo Ishiguro, contemporary masters of the novel in English, struggle with the most pressing problems of form, including the return of realism, the relation between novels and ideas, and meta-fiction. At the same time, they examine central ethical challenges, such as the rights of animals, cloning, and the representation of war. The seminar combines minute literary analysis with a discussion of how literary style confronts the contemporary world.

***English 90jd. Charles Dickens and Herman Melville - (New Course)**

Catalog Number: 8198 Enrollment: Limited to 15.

Amanda Claybaugh

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Surveys the careers of Dickens and Melville, from their early popular works to their difficult late style. Readings range across a number of genres, but the encyclopedic major novels (*Bleak House*, *Moby-Dick*, and *Our Mutual Friend*) are at the center of the course.

[*English 90je. The Poetry of Emily Dickinson] - (New Course)

Catalog Number: 9936 Enrollment: Limited to 15.

Helen Vendler

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

An extensive study of Dickinson's poetry throughout her writing life. Topics: inflexibility of form; enigma of content; idiosyncrasy of expression; landscape; grief and ecstasy; seeing "New Englandly."

Note: Expected to be given in 2008–09.

***English 90kw. The American Civil War**

Catalog Number: 1957 Enrollment: Limited to 15.

John Stauffer

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Studies in the literature of the American Civil War, from letters, speeches, poetry, and



photography to diaries, stories, and novels. We consider aesthetic, historical, and intellectual dimension and focus in particular on national and section identities; the shift from romanticism to realism; and dilemmas of slavery, race, and freedom. Authors include Melville, Whitman, Douglass, Lincoln, Stowe, Alcott, Twain, Crane, Mary Chesnut, Bierce, and others.

***English 90lv. Consciousness from Austen to Woolf**

Catalog Number: 3200 Enrollment: Limited to 15.

James Wood

Half course (fall 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 90mf. The Rise of the Novel**

Catalog Number: 6041 Enrollment: Limited to 15.

Michael Shinagel

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

The course examines the rise of the novel as a genre in England through a close reading of major works by Bunyan, Defoe, Richardson, and Fielding (*Pilgrim's Progress*, *Robinson Crusoe*, *Moll Flanders*, *Pamela*, *Clarissa*, *Joseph Andrews*, and *Tom Jones*).

***English 90pb. Dramatic Structure and Analysis**

Catalog Number: 4661 Enrollment: Limited to 15.

Robert Scanlan

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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 20th-century practice.

***English 90qc. Ibsen, Shaw, and Chekhov**

Catalog Number: 3194 Enrollment: Limited to 15.

Elizabeth D. Lyman

Half course (fall term). M., 3–5. EXAM GROUP: 8, 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 90qe. Pinter, Stoppard, Churchill, & Frayn**

Catalog Number: 9595 Enrollment: Limited to 15.



Elizabeth D. Lyman

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An in-depth look at the three 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 90qi. 20th-Century Irish Literature - (New Course)**

Catalog Number: 2661 Enrollment: Limited to 15.

Peter C. Nohnberg

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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 90qp. 20th-Century American Poetry - (New Course)**

Catalog Number: 6694 Enrollment: Limited to 15.

Peter Sacks

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

This course attends to the work of several American poets whose careers span much of the second half of the 20th century. Poets include Elizabeth Bishop, James Wright, Randall Jarrell, Adrienne Rich, A.R. Ammons, Frank O'Hara, John Ashbery, and others.

***English 90qw. Contemporary Theater - (New Course)**

Catalog Number: 2746 Enrollment: Limited to 15.

Martin Puchner and Gideon Lester

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course focuses on the process of adaptation, how contemporary directors adapt dramatic and non-dramatic texts for the stage and how contemporary dramatists appropriate and explode classical models, such as Greek and Elizabethan drama. The seminar, a joint venture between Dramatic Arts and English, is also fully integrated with the spring season at the ART.

Productions by Peter Brook, Richard Schechner, the Wooster Group; plays by Mee, Kane, Greig, Wellman, among others.

***English 90tw. Transatlantic Literature**

Catalog Number: 3077 Enrollment: Limited to 15.

John M. Picker

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

Considers concurrent trends and developments in American and British literary genres across the long 19th century. The focus is on transatlantic hauntings: the development of the gothic phenomenon in texts that pose lingering questions about objectivity and the nature of perception, psychology, gender, race, and cross-cultural influence. Readings include fiction, poetry, and non-fiction by Irving, Poe, Tennyson, the Brownings, Dickens, Hawthorne, James, and others.



***English 90va. Victorian Visualities**

Catalog Number: 4968 Enrollment: Limited to 15.

Michele C. Martinez

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Explores the visuality of Victorian narrative and lyric in light of aesthetic theory and material culture (e.g., the illustrated book, art exhibition, gothic revivalism and photography). Writers and artists include Tennyson, Brontë, Ruskin, the Rossettis, Morris, Hardy, Pater, Baudelaire, James, Whistler, Cameron and Thomson.

***English 90wc. George Eliot and William Dean Howells - (New Course)**

Catalog Number: 9780 Enrollment: Limited to 15.

Amanda Claybaugh

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

In addition to being the most successful novelists of their day, Eliot and Howells were also the most influential critics. This course focuses on their championing of literary realism and on their experiments in narration and novelistic form, as well as their respective involvements in suffrage campaigns and the Haymarket Affair. Novels to include *Adam Bede*, *Middlemarch*, *Daniel Deronda*, *A Modern Instance*, *The Rise of Silas Lapham*, and *A Hazard of New Fortunes*.

***English 90xp. Contemporary Non-American Poetry - (New Course)**

Catalog Number: 9321 Enrollment: Limited to 15.

Stephen Louis Burt

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Poetry in English since 1960 from outside the US, with some emphasis on writers or writings not already widely-known here, such as James K. Baxter (New Zealand), Basil Bunting (England), Okot p'Bitek (Uganda), Mary Dalton and Lisa Robertson (Canada), and John Tranter (Australia), as well as Derek Walcott and Paul Muldoon.

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 97. Seminar—Sophomore Year**

Catalog Number: 0280

Daniel G. Donoghue and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to methods of literary analysis. Selected texts in English and American literature studied along with readings in theory and criticism. Required of concentrators in the sophomore year.



***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.

Supervised small group tutorial in the study of English and American literature.

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 101. The History and Structure of the English Language

Catalog Number: 1987

Amy R. Appleford

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

A survey of the changes in English phonology, morphology, syntax, spelling, and vocabulary, from the earliest times to the present. Explores along the way such topics as attitudes toward language, the impact of political and economic changes, literacy, attitudes toward grammar, the rise of American English, language and social class, and language and gender.

Note: No previous knowledge of linguistics, Anglo-Saxon, or Middle English is required.

English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry

Catalog Number: 1128

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 poetry and poetics that have influenced modern poets such as Pound and Auden. By the end of the term we will have read, in the original, a handful of the greatest short poems in the English language, among them *The Wanderer* and *The Seafarer*.

Note: Fulfills the College language requirement and the English Department's Foreign Literature requirement if its continuation, English 103e, is also completed.

English 103e. Anglo-Saxon Language and Culture: Beowulf and Elegy

Catalog Number: 9185

Joseph C. Harris

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

Tolkien thought *Beowulf* as much "elegy" as "epic," and current readers treat the poem as a



cultural elegy for a passed or passing world. Close reading of about one-half of the poem in the original, the rest in the Heaney translation, leading to criticism and scholarship on *Beowulf* and elegy in Old English and related literatures. Builds on English 102e, continuing the language study and cultural survey with focus on the central poetic monuments of Anglo-Saxon England.

English 115b. Chaucer: *The Canterbury Tales*

Catalog Number: 2945

Nicholas Watson

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

A study of the most famous work of English literature before Shakespeare, both as a work of art and as a product of its place (London) and time (the 1390s).

English 120. Introduction to Shakespeare

Catalog Number: 7430

Gordon Teskey

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

A selection from Shakespeare's plays—comedies, tragedies, histories, and romances—giving an overview of his development as a dramatist and engaging in intensive reading of some of the most important plays, notably *Hamlet* and *King Lear*. Emphasis will be divided between questions concerning performance and the literary qualities that make Shakespeare the most celebrated author ever.

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

English 131. Milton: Major Poetry and Prose

Catalog Number: 8005

Gordon Teskey

Half course (spring term). M., W., at 1. EXAM GROUP: 6

An introduction to Milton's life and poetry, with emphasis on his epic poem, *Paradise Lost*. Milton will be studied in relation to the events of his day, in particular, the English revolution, but also in relation to later English poets, especially the romantics.

English 132. Metaphysical Poetry

Catalog Number: 0233

Gordon Teskey

Half course (spring term). M., W., at 2. EXAM GROUP: 7

A course on the major lyric poets of the 17th century, Donne, Jonson, Herbert, and Marvell. What is the relation between poetry and philosophy, between lyric expression and permanent order? In the seventeenth century, medieval notions of order gave way before the rise of science and of early modern philosophy. One result of these changes was the emergence of a new individualism in poetry.

English 133. Spenser - (New Course)

Catalog Number: 1333

Gordon Teskey

Half course (fall term). M., W., at 2. EXAM GROUP: 7



An introduction to Spenser's poetry, concentrating on *The Faerie Queene*. We discuss such problems as the theory of allegory and the question of poetic thinking.

English 150b. Romantic Poetry in an Era of Change - (New Course)

Catalog Number: 2064

Isobel Armstrong

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

The course addresses major experiments in poetic form, genre, and subject matter, prompted by revolutionary upheaval in many spheres. Lectures will be on male and female poets, often in dialogue with one another, responding to change: William Wordsworth, Charlotte Smith, William Blake, Anna Barbauld, Lord Byron, Joanna Baillie, Percy Shelley, Felicia Hemans, John Keats, Amelia Opie, and others.

English 152. The Poetry of W.B. Yeats - (New Course)

Catalog Number: 7730

Helen Vendler

Half course (spring term). M., W., at 1. EXAM GROUP: 6

A study of the non-dramatic poetry of W. B. Yeats (1865-1939). As a political poet, he documented the drama of Ireland through World War I, the proclamation of an Irish Republic, the Irish Civil War, and after; as a poet of the private life, he innovated within the immemorial themes of love, friendship, aging, and death; as a world poet, he brought into the English lyric material from continental Europe, Japan, and India.

English 155. Victorian Modernity

Catalog Number: 4216

John M. Picker

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

This survey of English literature and culture from 1830-1901 considers the tensions of a transitional era that flirted with and feared modernity. We explore writings on subjects that shaped the modern age: faith and doubt, bodies and machines, new technologies and media, science, sex and gender, empire, the function of art, degeneration. Genre-crossing texts from Carlyle, Dickens, Tennyson, Darwin, Braddon, Martineau, Arnold, Ruskin, Wilde, others.

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.

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: *Pride and Prejudice*, *Madame Bovary*, *Anna Karenina*, *The Brothers Karamazov*, *Buddenbrooks*, *Great Expectations*, *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.

English 160c. Modern British Fiction: Conrad to Beckett

Catalog Number: 7772

Peter C. Nohnberg

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 Beckett, among others. Topics covered include: innovations in narrative form, the representation of individual consciousness and identity, responses to imperialism, the Great War, mass culture, and the rise of feminism.

English 162c. Modern Drama

Catalog Number: 4717

Elizabeth D. Lyman

Half course (spring term). Tu., Th., at 2. EXAM GROUP: 16

A survey course which examines landmark works from Ibsen to Kushner through a focus on generative cultural and stylistic moments (The Woman Question 1880-1900; The Theater of the Absurd 1950-60; The AIDS Crisis 1985-95, etc.). Plays are considered on their own merits and in terms of the broader movements they helped to define. Course includes introduction to terminology and conventions of the genre.

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

English 162t. Modern Tragedy - (New Course)

Catalog Number: 0161

Martin Puchner

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

This course explores twentieth-century drama through the lens of tragedy. Although modern dramatists were often critical of tradition, they also sought to outdo their predecessors by reinventing tragedy--one of the oldest and most venerable forms--for the modern world. The result was some of the most compelling modern plays. Authors include Wilde, Granville-Barker, Synge, T.S. Eliot, O'Neill, Treadwell, Williams, Walcott, Soyinka, and others.

English 163 (formerly Dramatic Arts 64). Dramatic Literature from the Greeks to Ibsen

Catalog Number: 2389

Robert Scanlan

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

A survey of major monuments of European drama, starting with Aeschylus' *Oresteia* and culminating with Ibsen's *Peer Gynt*, gateway to modern drama. Lectures introduce the historical



periods that produced and preserved selected classics of western drama. After the Greeks (Aeschylus, Sophocles, Euripides, Aristophanes, Menander) and Romans (Plautus, Terence), Medieval examples pave the way for Renaissance (Machiavelli, Marlowe, Shakespeare) and French Neo-classical masterpieces (Molière, Racine), followed by the rise of European bourgeois drama (Goldoni, Lessing, Beaumarchais, Goethe).

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: In 2007-08, this course will not meet during the first week of classes. The first class will be held on Monday, February 4. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

English 167. Poets of World War I - (New Course)

Catalog Number: 6226

Peter Sacks

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

This course investigates the poetry and poetics of certain authors writing during the First World War. Authors include Wilfred Owen, Edward Thomas, Siegfried Sassoon, Ivor Gurney, Isaac Rosenberg, David Jones, others. Supplementary texts may include prose by Virginia Woolf, Ford Madox Ford, Pat Barker, Paul Fussell, others.

English 168d. Postwar American and British Fiction

Catalog Number: 8250

James Wood

Half course (spring 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.

English 168x. New Frontiers: American Cultures and Countercultures of the 1960s

Catalog Number: 4616

J. D. Connor

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

Collects a wide range of examples around culturally significant nodes: JFK, Los Angeles, the hippie movement, computer science, black power, feminism, the Vietnam War, and the moon landing. Writings by Dick, Didion, Ginsberg, Greenlee, LeGuin, Mailer, Reed, Wolfe; films including *Primary*, *West Side Story*, *Endless Summer*, *Sound of Music*, *2001*, *Wanda*, *In the Year of the Pig*.



English 171. Poetry in America - (New Course)

Catalog Number: 7808

Elisa New

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

This course surveys poetry in America from the 17th through the 20th centuries with particular attention to questions of "in": that is, to the poem's office within a culture gradually becoming American. Is a poem accountable to the nation? a general readership? family values? beauty? Are new nations more original? Do poems come from: God? earth? mind? the folk? Europe? language itself. Poets include Bradstreet, Taylor, Poe, Longfellow, Whitman, Dickinson, Poe, Robinson, Frost, Moore, Stevens, Pound, Frost, Bishop, Lowell, Ashbery, and others.

Note: This course, when taken for a letter grade, meets the English 17 requirement.

English 172d. The American Novel: 1865-1914 - (New Course)

Catalog Number: 9722

Amanda Claybaugh

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

Explores the three literary modes that flourished in the postbellum era: realism, naturalism, and "local color" fiction. Considers the following topics: rising and falling, choice and chance, consciousness and embodiment, as well as the aftermath of Civil War and Reconstruction. Authors to include: John W. De Forest, George Washington Cable, Henry James, William Dean Howells, Mark Twain, Sarah Orne Jewett, Charles Chesnutt, Jack London, Theodore Dreiser, and Edith Wharton.

[English 174f. Faulkner: The Major Works]

Catalog Number: 2652

Jason W. Stevens

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

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.

Note: Expected to be given in 2008–09.

English 175. American Literary Emergence

Catalog Number: 3894

Lawrence Buell

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

Intensive study of the formative period of American writing, with special attention to the Transcendentalist movement (Emerson and Thoreau), the rise of American fiction (Hawthorne, Melville, and others), of American poetry (Whitman and Dickinson particularly), and of slave narrative (Douglass and others).

Note: This course, when taken for a letter grade, meets the English 17 requirement and the Core area requirement for Literature and Arts C.

English 182. Science Fiction - (New Course)

Catalog Number: 3189



Stephen Louis Burt

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

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.)

English 192w. Language War & Global English - (New Course)

Catalog Number: 4569

Marc Shell

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Focuses on the prodigality of the English language and its literature, with special attention to such issues as international toponymy, mixed dialect, reduplication, hyphenated "Englishes," shibboleth use, and the national linguisticides that have helped define the history of English. Also considers how and why English is able to absorb other languages and how the remarkable expansiveness of English has affected its spoken and written literature into the digital age. Readings will include involve *The Last Class* (Daudet), *Henry V* (Shakespeare), and *Finnegans Wake* (Joyce), and *Pygmalion* (Shaw) as well as various online dictionaries and search engines.

Other Courses Offered by Departmental Faculty Members and Faculty Offering Instruction in the Department

African and African American Studies 113. Fictions of Race, Facts of Racism: Perspectives from South African and African American Drama and Fiction

[African and African American Studies 116. *Autobiography and Literary Imagination*]

[African and African American Studies 122. *Caribbean Women Writers*]

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 30n. Uncle Tom's Cabin and Moby Dick - (New Course)**

***Freshman Seminar 30q. The Poetry of George Herbert and Gerard Manley Hopkins - (New Course)**

***Freshman Seminar 31n. Beauty and Christianity**

***Freshman Seminar 32p. Charles Dickens**

Freshman Seminar 33x. Complexity in Works of Art: *Ulysses* and *Hamlet

***Freshman Seminar 38j. Medicine and Literature**

[*Humanities 10. An Introductory Humanities Colloquium]

Humanities 25. Literature and Human Suffering - (New Course)

Humanities 27. A SILK ROAD COURSE: Travel and Transformation on the High Seas: An Imaginary Journey in the Early 17th Century - (New Course)

***Literature 119. On Comparative Arts**

[*Literature 172 (formerly *Comparative Literature 172). Paralysis]

[Literature and Arts A-11. Arthurian Literature: Epic versus Romance]

[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**](#)
[**\[Literature and Arts A-88. Interracial Literature\]**](#)
[**Literature and Arts C-56. Putting Modernism Together**](#)
[**Medieval Studies 114. The Medieval Imagination: Visions, Dreams, and Prophecies**](#)
[**Visual and Environmental Studies 72 \(formerly 172h\). Sound Cinema**](#)
[**\[Visual and Environmental Studies 195. The Contemporary Hollywood Cinema\]**](#)

Primarily for Graduates

***English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar**

Catalog Number: 4547

James Simpson

Half course (fall term). F., 10–12. EXAM GROUP: 3, 4

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 203. Early Women Writers: Graduate Seminar - (New Course)**

Catalog Number: 8189

Nicholas Watson

Half course (spring term). M., 11–1. EXAM GROUP: 4, 5

Investigates the vexed but persistent fact of premodern female authorship in twelve poets, sibyls, visionaries, martyrs, institution-builders, and women of letters from Hildegard (d.1179) to Behn (d.1689), read in their literary, intellectual, and cultural contexts.

***English 223. Lifelikeness: Graduate Seminar - (New Course)**

Catalog Number: 7398

Stephen J. Greenblatt and Frank Fehrenbach

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This central topos of Renaissance art and literary theory refers to many different discourses (rhetoric/agency, ingenium/style, phenomenology, natural philosophy, gender/fetishism, theology, etc.). The seminar will focus on strategies of 'animation' in art and literature.

***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). M., 3–5. EXAM GROUP: 8, 9

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 234. The Poetry of John Keats: Graduate Seminar**

Catalog Number: 2514

Helen Vendler

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17



A study of most of the poetry, focusing on influences, genre-changes, poetics, and the Keatsian lexicon.

***English 237. The Poetry of W.B. Yeats: Graduate Seminar**

Catalog Number: 9188

Helen Vendler

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

A study of the complete lyric poetry of W.B. Yeats. Emphasis on generic and formal innovation, within the context of inventing an Irish national literature.

***English 241. The 18th-Century Novel: Graduate Seminar**

Catalog Number: 2896

Leo Damrosch

Half course (spring 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 253. Victorian Lyric Poetry and the Passions - (New Course)**

Catalog Number: 6261

Isobel Armstrong

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Lyric poetry from Tennyson to Hardy, Christina Rossetti to 'Michael Field'; explored concurrently with accounts of emotion, feeling and empathy, Kierkegaard to Darwin.

***English 259. Methods in Book History: Graduate Seminar - (New Course)**

Catalog Number: 1402

Leah Price and Ann M. Blair

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Introduces students to methods and debates in the history of the book and of reading.

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). W., 10–12. EXAM GROUP: 3, 4

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 269. Vladimir Nabokov: Graduate Seminar - (New Course)**

Catalog Number: 1861

Leland P. de la Durantaye

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

This seminar will examine the depth and breadth of the works of Vladimir Nabokov. Special



attention paid to those works written directly into English. Special consideration will be accorded to Nabokov's irreverent and idiosyncratic opinions on the task of the critic, and his criticism of other writers from Pushkin and Flaubert to Proust and Joyce.

***English 272. American Genres through Hawthorne: Sermon, Meditation, Oration, Sketch, Romance. Graduate Seminar - (New Course)**

Catalog Number: 9107

Elisa New

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

Why does the romance (rather than the realist novel) emerge as major 19th century American genre? Reading sermons, lyric meditations, travel narratives, sketches, orations and tales 1640-1840s, we will ask: what's romance made of?

***English 275m. Reinventing American Memory: Graduate Seminar - (New Course)**

Catalog Number: 1064

Lawrence Buell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Novels by Cather, Faulkner, Ellison, Pynchon, others considered as reinventions of prior "masterplots" arising from such cultural discourses as immigration/diaspora, success/failure, wilderness romance.

***English 284. Recent American Poetry, Theory and Practice: Graduate Seminar - (New Course)**

Catalog Number: 3443

Stephen Louis Burt

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

Promising, profound, controversial, or otherwise notable new American poems, and ideas about them, from the last twenty years: verse or prose by, among others, Armantrout, Graham, Grossman, Merrill, Waldner, and C.D. Wright.

***English 285e. The New Economic Criticism: Graduate Seminar - (New Course)**

Catalog Number: 3446

Marc Shell

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

Focuses on issues of monetary and linguistic representation and exchange, with special attention to metaphorization, to historical introductions of new monetary economic and literary media, and to various kinds of connections between economic and aesthetic production. Readings include Heraclitus, Herodotus, Aristotle, Sophocles, medieval tales of the Holy Grail, Shakespeare, Rousseau, Goethe, Marx, Melville, Heidegger, and many theorists of digital representation and exchange in the twenty-first century.

***English 290p. Theater and Philosophy: Graduate Seminar - (New Course)**

Catalog Number: 6275

Martin Puchner

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course focuses on philosophical reflections on the theater, as well as dramatic dialogues, the



theater of ideas, and theatricality in philosophical works. Readings include Plato, Aristotle, Kierkegaard, Shaw, Burke, Stoppard, Murdoch, Badiou.

***English 292. Issues in the Study of American Literature: Graduate Seminar**

Catalog Number: 1618

Werner Sollors

Half course (fall term). M., 11–1. EXAM GROUP: 4, 5

Issue-oriented approaches to modern literature, using Hemingway as a point of departure; close reading, in different contexts, of an exemplary classic whose current stock seems to be low; archival research in the Hemingway papers.

Note: Please read or reread Hemingway's *The Sun Also Rises* for the first meeting.

***English 295. Marxism and Postcolonial Studies: Graduate Seminar - (New Course)**

Catalog Number: 0865

Biodun Jeyifo

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Divergent formations of postcolonial studies explored against the background of Marxist theorizations of transnational, postindustrial, postfordist capitalism and its dominant intellectual currents and cultural contradictions. Some feminist, Post-Marxist, liberal-humanist and "Third World" theories of capitalist modernity also explored.

Note: Open to advanced undergraduates with permission of instructor.

***English 298. Literary Theory in the Life of Literature: Graduate Seminar**

Catalog Number: 3464

Homi K. Bhabha

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

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.

Note: In 2007-08, this course will not meeting during the first week of classes. The first class will be held on Thursday, September 27.

***English 299. The Intellectual Life of the Profession: Proseminar**

Catalog Number: 7739

Marjorie Garber

Half course (fall term). Tu., 12–2. EXAM GROUP: 14, 15

Developments in literary criticism and theory from the 1960s to the present (including historicism, psychoanalysis, deconstruction, gender theory, postcoloniality, cultural studies, book history, visual and performance studies), and an overview of the profession: publication, teaching, conferences, research, and other aspects of academic life.

Note: An introduction to graduate study in English, open to both first and second year graduate students.

Graduate Courses of Reading and Research



***English 300hf. Old and Middle English: Doctoral Conference**

Catalog Number: 2334

Daniel G. Donoghue 1469 (on leave spring term), Joseph C. Harris 1089 (on leave spring term), James Simpson 4791 (on leave spring term), 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 (on leave spring term), Stephen J. Greenblatt 3436, Barbara K. Lewalski 7450 (on leave spring term), John Parker 3729 (spring term only), 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 303. Guided Dissertation Research and Article Publication**

Catalog Number: 4267

Elaine Scarry 2206 (on leave spring term)

Half course (fall term). W., 2–4.

Through regular meetings with faculty advisers, each student works towards completion of chapters of the dissertation.

***English 304hf. The Extended 18th Century: Doctoral Conference**

Catalog Number: 6110

Leo Damrosch 2200, James Engell 8076 (on leave fall term), Leah Price 3501, 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 305. Narrative (1800 to the Present): Doctoral Conference**

Catalog Number: 4846

Philip J. Fisher 1470 (on leave spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

The Conference focuses on dissertations in progress and other research topics of mutual concern.

Note: Limited to faculty members teaching or conducting research in 19th- and 20th-century



British and American fiction 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 in the field.

***English 306hf. 19th- and 20th-Century British Literature: Doctoral Conference**

Catalog Number: 5268

Leah Price 3501

Half course (throughout the year). Hours to be arranged.

***English 308hf. Drama: Doctoral Conference**

Catalog Number: 6909

Marjorie Garber 7264 (on leave spring term), Elizabeth D. Lyman 4433, and Elaine Scarry 2206 (on leave spring term)

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 (on leave spring term)

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 314hf. 20th-Century Literature and Cultural Theory: Doctoral Conference**

Catalog Number: 1410

Homi K. Bhabha 4100

Half course (throughout the year). Hours to be arranged.

Topics include African-American literature, contemporary literature, drama, film and/or performance, modernism, literary and cultural theory, postcolonial studies, postmodernism and Anglophone literatures. Work in progress, as well as dissertation chapters and potential articles and conference papers, encouraged.

Note: Open to all graduate students and faculty working in 20th-century literature and cultural theory.

***English 350. Teaching Colloquium**

Catalog Number: 8208

Marjorie Garber 7264 (on leave spring term) and Maia Margaret Mcleavey 5772

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, Homi K. Bhabha 4100, Lawrence Buell 2655, Glenda R. Carpio 4408 (on leave 2007-08), Leo Damrosch 2200, Leland P. de la Durantaye 4457, Daniel G. Donoghue 1469 (on leave spring term), James Engell 8076 (on leave fall term), Philip J. Fisher 1470 (on leave spring term), Marjorie Garber 7264 (on leave spring term), Henry Louis Gates, Jr. 2899 (on leave spring term), Jorie Graham 2358, Stephen J. Greenblatt 3436, Joseph C. Harris 1089, Barbara K. Lewalski 7450 (on leave spring term), Elizabeth D. Lyman 4433, Louis Menand 4752 (on leave 2007-08), Elisa New 2428, Peter C. Nohnberg 4726, John M. Picker 3728, Leah Price 3501, Peter Sacks 2161, Elaine Scarry 2206 (on leave spring term), Marc Shell 3176, Michael Shinagel 7659, James Simpson 4791 (on leave spring term), Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), Gordon Teskey 4466, Helen Vendler 7226, and Nicholas Watson 3851

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

The 2007-08 membership of this committee had not been determined at the time *Courses of Instruction* went to press. Updated membership information will be available in the on-line course catalog.



Faculty of the Committee on Degrees in Environmental Science and Public Policy

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of Biological Oceanography (*Chair*)
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*)
Jerry R. Green, John Leverett Professor and David A. Wells Professor of Political Economy
N. Michele Holbrook, Charles Bullard Professor of Forestry
John P. Holdren, Professor of Environmental Science and Public Policy (*FAS*) and Teresa and John Heinz Professor of Environmental Science and Public Policy (*Kennedy School*)
Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)
Michael B. McElroy, Gilbert Butler Professor of Environmental Studies
Peter P. Rogers, Gordon McKay Professor of Environmental Engineering
Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental Science and Engineering
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
Steven C. Wofsy, Abbott Lawrence Rotch Professor of Atmospheric and Environmental Science

Other Faculty Offering Instruction in Environmental Science and Public Policy

Henry Ehrenreich, Clowes Professor of Science, Emeritus
Paul R. Epstein, Lecturer on Environmental Science and Public Policy
James S. Hoyte, Lecturer on Environmental Science and Public Policy
Jennifer Leaning, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of Medical Anthropology (*Medical School*)
David Lesford Roberts, Lecturer on Environmental Science and Public Policy
Yuxuan Wang, Lecturer on Environmental Science and Public Policy

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 Science for Public Policy

Catalog Number: 6383

William C. Clark (Kennedy School)

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

This course explores the role of science in shaping environmental policy. How can research become a more effective source of useful knowledge for managing interactions between nature and society? How should a democracy subject scientific advice to political control? How do scientists grapple with the stresses of discovering and communicating useful knowledge on highly politicized issues? The course explores such questions through in-depth case studies of environmental policy-making taught by faculty from across the university.

Note: Intended for interested students from all concentrations.

Environmental Science and Public Policy 78. Environmental Politics

Catalog Number: 3613 Enrollment: Limited to 30.

Sheila S. Jasanoff (Kennedy School)

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.

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]

Catalog Number: 2189

Michael B. McElroy

Half course (fall term). Tu., 1–4.

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.

Note: Expected to be given in 2008–09.

***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 (fall term). W., 4–6.

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: Offered jointly with the Kennedy School as ENR-205.

***Environmental Science and Public Policy 90e. Conservation Biology**

Catalog Number: 6879

David Lesford Roberts

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Conservation biology strives to describe, understand, and preserve biodiversity by applying ecological and evolutionary theory within the contexts of resource management, economics, sociology, and political science. This course will explore the moral and scientific motivations for preserving biodiversity and practice decision making under conflicting interests. Case studies will focus the examination of major contemporary issues in conservation biology such as endangered species protection and reintroduction, habitat fragmentation, over-harvesting of biological resources, exotic species invasions, and sustainable development.

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., 1:30–4.

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 2008–09.

[*Environmental Science and Public Policy 90h. Energy Problems and Promises]

Catalog Number: 2284

Henry Ehrenreich

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

The likely exhaustion of cheap oil in the near future, ambiguous political attitudes toward pollution and other problems mandate the development of alternative energy resources and technologies. The seminar will consider fossil fuel, wind, solar, nuclear energy, electrical and hydrogen mediated transmission, and novel technologies such as fuel cells and hybrid cars, all historically related to economic and social needs.

Note: Expected to be given in 2008–09. Student participation includes a term paper, an oral class presentation, and involvement in seminar discussions.

Prerequisite: High school physics or chemistry or permission of the instructor.

***Environmental Science and Public Policy 90j. Environmental Crises and Population Flight**

Catalog Number: 9841

Jennifer Leaning (Medical School) (Public Health, Medical School)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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. Technological Approaches to Mitigation of Climate Change]

Catalog Number: 0545

Daniel P. Schrag and James J. McCarthy

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

A variety of technological approaches have been proposed to mitigate the risks posed by human-induced climate change. Prominent among these are carbon sequestration mechanisms. In addition, the hydrogen fuel cell might replace fossil fuels in distributed energy generation. In this seminar, we explore these emerging technologies and consider the technological limitations, the geological and ecological consequences, and the political and economic implications.

Note: Expected to be given in 2008–09.

***Environmental Science and Public Policy 90n. China's Energy Economy: Perspectives from the Past; Challenges for the Future - (New Course)**

Catalog Number: 8477

Michael B. McElroy and Yuxuan Wang

Half course (spring term). M., 2:30–5. EXAM GROUP: 7, 8, 9

China is the second largest emitter of greenhouse gases at present, predicted to surpass the US by



as early as 2009. The seminar will provide an historical perspective on the development of the Chinese economy with emphasis on the energy sector, including analysis of related environmental problems. Energy options available for China's future will be discussed, including opportunities for clean-coal technology, nuclear, wind, hydro and biofuels. The seminar will discuss tradeoffs implicit in these choices with respect to reconciling competing goals for environmental protection and economic development.

***Environmental Science and Public Policy 90o. The Politics of Science and Environmental Policy - (New Course)**

Catalog Number: 6377 Enrollment: Science and non-science majors are encourage to enroll.

David J. Goldston

Half course (spring term). W., 2:30–5:30.

The course examines how the U.S. federal government funds and uses scientific and technical research. We examine current debates on such issues as how much money should be spent on science and what kinds of science, how to keep the U.S. economically competitive, how universities and industry should interact, how energy policy should be established and implemented, and how science should be used in a variety of environmental debates.

***Environmental Science and Public Policy 91r. Supervised Reading and Research**

Catalog Number: 1705

James J. McCarthy 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 99r. Tutorial — Senior Year**

Catalog Number: 5666

James J. McCarthy and members of the Committee

Half course (fall term; repeated spring term). Hours to be arranged.

Note: 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.



Ethnic Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The 2007-08 membership of this committee had not been determined at the time *Courses of Instruction* went to press. Updated membership information will be available in the on-line course catalog.

Faculty of the Committee on Ethnic Studies

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology (*on leave 2007-08*)

Vincent Brown, Dunwalke Associate Professor of American History

Lucien G. Castaing-Taylor, Assistant Professor of Visual and Environmental Studies and of Anthropology

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History

Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies, Fellow, Dept/Prog (Stip) (*on leave 2007-08*)

Deborah D. Foster, Senior Lecturer on Folklore and Mythology

Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies

Susan W. Lewis, Director of the Core Program

Carmen D. Lopez, Executive Director, Harvard University Native American Program (*Kennedy School*)

Malinda Maynor Lowery, Assistant Professor of History

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English

Rachel St. John, Assistant Professor of History (*on leave 2007-08*)

Mary C. Waters, M. E. Zukerman Professor of Sociology

The Committee on Ethnic Studies is an Interdisciplinary Coordinating Committee constituted of faculty members from across the disciplines appointed to encourage and promote course offerings on ethnicity in the US. Ethnic studies might briefly be described as the study of aspects of collective identity shaped by factors ranging from descent to affinity. The field has emerged from and continues to flourish within individual departments as well as across disciplinary boundaries. Methodologies for the study of ethnicity vary, as does subject matter, which ranges from expressive culture to social organization, but scholars in ethnic studies share the challenge of studying intensely heterogeneous populations and materials. American ethnic communities have provided an important focus as well as particularly rich units of study for scholars of ethnicity, giving rise to many of the foundational works in the field. At the same time, both research and pedagogy in ethnic studies is often international and comparative in its purview due to the interaction between and among communities within individual locales as well as the global flow of people in diaspora. Ethnic studies have further given rise to a lively and growing body of



theoretical work, sparked in part by the necessity to document and interpret the redefinition of identity through on-going processes shaped both by descent and consent.

The Committee on Ethnic Studies oversees the disposition of two FTE's annually to bring to campus visitors who offer courses in Native American, US Latino, and Asian American Studies. Past course offerings have spanned such topics as Native American Art and Architecture, Asian American Literature, Spanish Caribbean Music, Comparative Urban Latino Politics, and the relationship among Native Americans, Hispanos, and Anglos in the American Southwest.

To see additional committee activities, please see the website: www.fas.harvard.edu/~cesh/

The Committee does not offer an undergraduate concentration or an advanced degree. However, concentrations focusing on topics relating to ethnic studies can be undertaken through many departments, as well as within programs such as Social Studies, History and Literature, Folklore and Mythology, and Special Concentrations.

Core Courses in Ethnic Studies

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

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

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

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

[Foreign Cultures 86. West African Cultures](#)

[Foreign Cultures 88. The African Experience: Between Tradition and Modernity](#)

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

[Historical Study A-16. Modern South Asian Global History](#)

[Historical Study A-67. Gendered Communities: Women, Islam, and Nationalism in the Middle East and North Africa]

[Humanities 18 \(formerly Religion 1801\). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures](#)

[Literature and Arts A-48. Modern Jewish Literature](#)

[Literature and Arts A-88. Interracial Literature]

[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue](#)

[Social Analysis 54. American Society and Public Policy]

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

Freshman Seminars in Ethnic Studies

Courses with a Primary Focus on Ethnicity in the United States

[*History 1612. African Diaspora in the Americas: Reading Seminar](#)

[*History 1635. Race and Race Relations Since Plessy: Research Seminar](#)

[History 1638. American Social History Since 1920]



[*History 1645. History of American Immigration: Reading Seminar](#)

[*History 1655. Native American Identities: Research Seminar]

[History 1657. Native America: The East]

[History 1658. Native America: The West]

[*History 1661. Social Thought in Modern America](#)

[Sociology 60. Sociology of Race and Ethnicity]

Courses Related to Ethnicity and the United States

[Anthropology 1090. Ethnography and Archaeology]

[*Anthropology 1610. Ethnographic Research Methods](#)

[Anthropology 1760 (formerly Anthropology 153). Nationalism and Bureaucracy]

[*Anthropology 1850. Ethnography as Practice and Genre](#)

[Chinese Literature 132. Chinatowns]

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

[Government 20. Introduction to Comparative Politics](#)

[Government 2576. Racial and Ethnic Politics in the United States - \(New Course\)](#)

[*History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Research Seminar]

[*History 1690. The US and Imperialism: Research Seminar]

[Music 194r. Special Topics: Proseminar](#)

[*Psychology 1553. Positive Intergroup Relations]

[Religion 16 (formerly Religion 1004). Religious Dimensions in Human Experience]

[*Social Studies 98hq. Civil War and Peace](#)

[Sociology 60. Sociology of Race and Ethnicity]

[*Sociology 184. Freedom in America: An Historical Sociology: Conference Course](#)

[Visual and Environmental Studies 189. Exploring Culture Through Film](#)

Courses Related to Ethnicity outside the United States

[Anthropology 1760 (formerly Anthropology 153). Nationalism and Bureaucracy]

[Chinese Literature 132. Chinatowns]

[French 70c. Introduction to French Literature III: The Francophone World](#)

[*Government 90gs. Civil Society in Asia](#)

[Government 1295. Comparative Politics in Latin America](#)

[Government 1760. International Relations of East Asia](#)

[*History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Research Seminar]

[*History 1958. Islam and Ethnicity: Research Seminar]

[Islamic Civilizations 160. The Meanings of Islam in Central Asia](#)

[Literature 166 (formerly Comparative Literature 166). The Comic Tradition in Jewish Culture]

[Music 190r. Topics in World Music: Proseminar]

[Music 206r. Research Methods in Ethnomusicology: Musical Ethnography]

[Music 207r. Ethnomusicology: Seminar](#)



[Portuguese 37. Brasil hoje: Contemporary Brazilian Culture through Media](#)

[Portuguese 44 \(formerly Portuguese 38\). Images of Brazil: Contemporary Brazilian Cinema](#)

[Religion 11. World Religions Today: Diaspora, Diversity and Dialogue](#)

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

[*Social Studies 98gf. Modernity and Social Change in East Asia](#)

[\[Studies of Women, Gender, and Sexuality 1210ft \(formerly Studies of Women, Gender, and Sexuality 1001\). Feminist Theory\]](#)

European Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

The 2007-08 membership of this committee had not been determined at the time *Courses of Instruction* went to press. Updated membership information will be available in the on-line course catalog.

Faculty of the Committee on European Studies

David Blackburn, Coolidge Professor of History

Peter J. Burgard, Professor of German

Pepper D. Culpepper, Associate Professor of Public Policy (*Kennedy School*)

Grzegorz Ekiert, Professor of Government

Niall Ferguson, Laurence A. Tisch Professor of History (*FAS*) and Professor of Business Administration (*Business School*)

Peter E. Gordon, Professor of History

Patrice Higonnet, Robert Walton Goelet Professor of French History (*on leave 2007-08*)

Stanley Hoffmann, Paul and Catherine Battenwieser University Professor

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy

Maya Jasanoff, Associate Professor of History (*on leave spring term*)

Mary D. Lewis, John L. Loeb Associate Professor of the Social Sciences (*on leave 2007-08*)

Charles S. Maier, Leverett Saltonstall Professor of History

Cindy Skach, Associate Professor of Government

Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the Graduate School of Arts and Sciences (*on leave spring term*)

Judith Surkis, Associate Professor of History and of History and Literature (*on leave spring term*)

Daniel F. Ziblatt, Associate Professor of Government and of Social Studies (*on leave 2007-08*)



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

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature
(Chair) (on leave fall term)

David McCann, Korea Foundation Professor of Korean Literature *(Acting Chair) (fall term) (on leave spring term)*

John Y. Campbell, Harvard College Professor and Morton L. and Carole S. Olshan Professor of Economics

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Georgene B. Herschbach, Associate Dean of Undergraduate Academic Programs *(ex officio)*

Jill M. Hooley, Professor of Psychology

Thomas R. Jehn, Preceptor in Expository Writing *(Interim Director of Expository Writing)(ex officio)*

Lisa L. Martin, Clarence Dillon Professor of International Affairs *(on leave spring term)*

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature *(Director of Studies)*

Margo I. Seltzer, Harvard College Professor and Herchel Smith Professor of Computer Science



James Wilkinson, Lecturer on History and Literature (*Director of the Derek Bok Center for Teaching and Learning*)

Other Faculty Offering Instruction in the Expository Writing Program

Laura L. Adams, Lecturer on Sociology, Preceptor in Expository Writing
Michael Baran, Preceptor in Expository Writing
Patricia M. Bellanca, Preceptor in Expository Writing
Edyta M. Bojanowska, Preceptor in Expository Writing
A. Licia Carlson, Preceptor in Expository Writing
Anthony B. Cashman, III, Preceptor in Expository Writing
Kathryn A. Chadbourne, Preceptor in Expository Writing
Kathryn Bridges Clancy, Preceptor in Expository Writing, Associate of the Department of Anthropology (*on leave spring term*)
Jill Constantino, Preceptor in Expository Writing
Jeffrey Cordell, Preceptor in Expository Writing
Sigrid Anderson Cordell, Preceptor in Expository Writing (*on leave spring term*)
Sarah Emsley, Preceptor in Expository Writing
Herschel J. Farbman, Preceptor in Expository Writing
Sarah Ferguson-Wagstaffe, Preceptor in Expository Writing
Heather Fielding, Preceptor in Expository Writing
Lydia A. Fillingham, Preceptor in Expository Writing
Brett Flehinger, Preceptor in Expository Writing
Elizabeth Greenspan, Preceptor in Expository Writing
Paul L. Harding, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor
Karen L. Heath, Senior Preceptor in Expository Writing (*on leave fall term*)
Luciana L. Herman, Preceptor in Expository Writing
James P. Herron, Preceptor in Expository Writing, Contin Ed/Spec Prog Instructor
Thomas R. Jehn, Preceptor in Expository Writing
Melissa Shields Jenkins, Lecturer on History and Literature and Preceptor in Expository Writing
Marlon D. Kuzmick, Preceptor in Expository Writing
Suzanne T. Lane, Preceptor in Expository Writing
Stephen N. Larsen, Preceptor in Expository Writing
Eric C. LeMay, Preceptor in Expository Writing, Post-Doctoral Fellow in the Bok Center for Teaching & Learning, Associate Director of the Derek Bok Center for Teaching and Learning
David McCann, Korea Foundation Professor of Korean Literature (*on leave spring term*)
Kelsey W. McNiff, Preceptor in Expository Writing (*on leave spring term*)
Srilata Mukherjee, Preceptor in Expository Writing
Emily J. Shelton, Preceptor in Expository Writing
Michelle Syba, Preceptor in Expository Writing
Jane E. Unrue, Preceptor in Expository Writing
Kenneth J. Urban, Preceptor in Expository Writing
Andrea L. Volpe, Preceptor in Expository Writing
William Conrad Weitzel, Preceptor in Expository Writing, Interim Director of Expository Writing



Benjamin E. Wise, Preceptor in Expository Writing
Benjamin S. Yost, Preceptor in Expository Writing

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. EXAM GROUP: 4

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.

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, which are 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.

***Expository Writing 50. Advanced Writing 50 - (New Course)**

Catalog Number: 3819 Enrollment: Limited to 12.

Eric C. LeMay

Half course (fall term; repeated spring term). M., 3–5.

A chance to explore your potential as a writer, this course asks students to engage with work by journalists, politicians, anthropologists, poets, and neuroscientists. On-line and on paper, sample the travelogue, epistle, audio-diary, meditation, autobiography, review, profile, and multimedia essay. As you emulate pieces found in *The New Yorker* and hung at the Fogg, discover a variety of ways to persuade, inform, and delight your readers.

Note: See www.fas.harvard.edu/~expos for admission information.



Folklore and Mythology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Members of the Standing Committee on Degrees in Folklore and Mythology

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Chair*)

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology (*on leave 2007-08*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Head Tutor*)

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore (*on leave spring term*)

Michael Herzfeld, Professor of Anthropology

Barbara L. Hillers, Associate Professor of Celtic Languages and Literatures (*on leave spring term*)

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages

David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)

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 Professor of African and African American Studies (*on leave fall term*)

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology

Jan Ziolkowski, Arthur Kingsley Porter Professor of Medieval Latin

Affiliated Members of the Committee on Degrees in Folklore and Mythology

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures

Patrick K. Ford, Margaret Brooks Robinson Research Professor of Celtic Languages and Literatures

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment



Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)
John E. Murdoch, Professor of the History of Science (*on leave spring term*)
Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*on leave fall term*)
Robert Scanlan, Professor of the Practice of Theater
Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*on leave 2007-08*)
P. Oktor Skjaervo, Aga Khan Professor of Iranian
Mary M. Steedly, Professor of Anthropology
Laurel Thatcher Ulrich, 300th Anniversary University Professor (*on leave spring term*)
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave fall term*)
Michael Witzel, Wales Professor of Sanskrit

Associated Members of the Committee on Degrees in Folklore and Mythology

David M. Guss, Anthropology (*Tufts University*)

Tutorials in Folklore and Mythology

Primarily for Undergraduates

[*Folklore and Mythology 90d. African Women Storytellers - \(New Course\)](#)

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, in this seminar we 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: 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 90e. Folklore and Nationalism - \(New Course\)](#)

Catalog Number: 2278

Stephen A. Mitchell

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores the relationship between folklore and national identity. Also considered: the valorization of folk traditions in elite cultural monuments; the manipulation of culture by political bodies; culture and tourism; authenticity; and intellectual property.

[Folklore and Mythology 90f. The Moonbat Monologues: Tinfoil Hats, Conspiracies, and Popular Culture] - (New Course)

Catalog Number: 6106

Stephen A. Mitchell

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

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.

Note: Expected to be given in 2008–09.

***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 of the Committee or the Head Tutor. 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). Oral Literature and the History of Folkloristics**

Catalog Number: 5039 Enrollment: Limited to 12.

Joseph C. Harris

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Considers the implications of orality, literacy, performance, and transmission from ethnographic, literary and historical points of view. Examples and case-studies typically drawn from the Balkans, the American Southwest, Africa, and medieval Europe. Tutorial readings include works by Parry, Lord, Nagy, Ong, Foley, Zumthor, and Bauman.

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

For Undergraduates and Graduates

Folklore and Mythology 100. Performance, Tradition and Cultural Studies: An Introduction to Folklore and Mythology

Catalog Number: 3579

Stephen A. Mitchell

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

Surveys 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 for Secondary Field in Folklore & Mythology.

[Folklore and Mythology 106. Witchcraft and Charm Magic]

Catalog Number: 8749

Stephen A. Mitchell

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

Reviews witchcraft and magic in medieval and early modern Europe (ca. 400–1700), focusing on such topics as pagan survivals in post-Conversion Europe; the construction of witchcraft in Church doctrine; charm magic and its performance in folk tradition; the witch-hunts of the 16th and 17th centuries; folk beliefs; the portrayal of witchcraft in film, fiction and folklore; and the historical roots of neo-paganism.

Note: Expected to be given in 2008–09.

Folklore and Mythology 111. In Search of Sung Narrative - (New Course)

Catalog Number: 2942

Joseph C. Harris

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

Ballads, the royal family of folksong, will occupy the center of our "search," but the performance of genres (lay, epic, romance) that flourished before and alongside the ballad also give rise to many questions: How does performance condition narrative? In what sense were "songs" such as the Chanson de Roland or the Hildebrandslied "sung"? Does the use of the harp (lyre) matter to the narrative of Beowulf? And since the "search" is timeless: what was Billie Joe throwing off the Tallahatchie Bridge?



[Folklore and Mythology 112. Introduction to the Ballad]

Catalog Number: 9872

Joseph C. Harris

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

Narrative folk songs of Scotland and England present fascinating opportunities and questions for the student of folklore or literature. We will look into the birth, development, and dispersal of the genre and into the life of the traditional ballad. Readings (and 'listenings') from the Child corpus will be supplemented by ballad texts in translation from other European traditions. Special attention to language, narrative structures, and contemporary reflexes of the classic ballad (especially in North America).

Note: Expected to be given in 2008–09.

[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). Hours to be arranged.

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 2008–09.

[Folklore and Mythology 124. Southern Folklore]

Catalog Number: 9081

Joseph C. Harris

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

Chiefly an introduction to the folk literature of the South—folk tales, ballads, and similar oral and popular genres—and to its cultural contexts. An unsystematic treatment of literary works that show interesting relations to folklore backgrounds. Special emphasis on Zora Neale Hurston, folklorist and writer.

Note: Expected to be given in 2008–09.

[Folklore and Mythology 127. Motherland: Gender, Indigeneity, and the American Environment]

Catalog Number: 4794

Lisa T. Brooks

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

Seminar focused on contemporary Native American literature that explores the representation and conceptualization of a feminine, and ecologically potent, American land. Readings may include Cheryl Savageau's *Mother/land* (poetry), Leslie Marmon Silko's *Gardens in the Dunes*, Marilou Awiakta's *Selu*, Linda Hogan's *Power*, Deborah Miranda's *Indian Cartography* (poetry), as well as parallel comparative texts such as Susan Orleans' *The Orchid Thief*, Alice Walker's *"In Search of Our Mother's Gardens,"* and Rachel Carson's *Silent Spring*.

Note: Expected to be given in 2008–09.



[Folklore and Mythology 162. Edda and Saga: Myth and Reality of the Viking Age]

Catalog Number: 4003

Joseph C. Harris

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

Iceland produced a literature unrivaled in the medieval period for the insights its “eddas” grant into the mind of pre-Christian Europeans. The “sagas” tell of real men and women in pagan times and in the first Christian century, embodying classic themes of great literature: love and death, jealousy, rivalry, revenge, loyalty and betrayal—above all honor and pride.

Note: Expected to be given in 2008–09. Readings in translation; students who have studied the language will have opportunities to exercise their Old Norse.

***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

African and African American Studies 187. African Religions - (New Course)

[Ancient Near East 124. Myth and Myth-Making in the Biblical and Ancient Near Eastern World]

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

Anthropology 1870. Island Southeast Asia: Circulating Cultures

[Armenian Studies 100. Armenian Epic]

[Celtic 113. Gaelic Women’s Poetry]

[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 166. The Folklore of Women]

[Celtic 184. The *Táin*]

[Chinese Literature 132. Chinatowns]

Classical Philology 263 (formerly Classics 263). Homer

[East Asian Studies 180. Asia Wave]

***English 90cd. Introduction to Medieval Drama - (New Course)**

English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry

English 103e. Anglo-Saxon Language and Culture: *Beowulf* and Elegy

English 115b. Chaucer: *The Canterbury Tales*

[Foreign Cultures 12. Sources of Indian Civilization]

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

Foreign Cultures 74. Cultures of Southern Europe

***Freshman Seminar 32v. The Art of the Storytelling**

[Historical Study B-41. Inventing New England: History, Memory, and the Creation of a Regional Identity]



[*History 1655. Native American Identities: Research Seminar]
 [Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]
[Indian Studies 207a. Understanding Indian Ritual](#)
[Indian Studies 207b. Understanding Indian Ritual](#)
 [Japanese History 125. Japanese Religious Traditions: Spirituality and Popular Culture]
[Japanese History 126. Shinto: Conference Course](#)
[Jewish Studies 104. Introduction to Yiddish Culture](#)
 [*Literature 140 (formerly *Literature 128). Performing Texts]
 [*Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]
 [Literature and Arts A-11. Arthurian Literature: Epic versus Romance]
[Literature and Arts A-17 \(formerly Humanities 24\). Childhood: Its History, Philosophy, and Literature - \(New Course\)](#)
 [Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France]
 [Literature and Arts A-53. "Athens and Jerusalem": Self and Other in Classical Greek and Hebrew Literature]
 [Literature and Arts A-67. Poetry and Power: The Celtic Bard]
 [Literature and Arts A-82. Orpheus: Literary, Artistic, and Cultural Figurations]
 [Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World]
[Literature and Arts C-14. Concepts of the Hero in Greek Civilization](#)
[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)
[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']
 [Literature and Arts C-42. Constructing the Samurai]
[Medieval Latin 105 \(formerly Medieval Latin 205\). The Waltharius](#)
[Modern Greek 145 \(formerly Comparative Literature 145\). Dreams and Literature - \(New Course\)](#)
 [Music 208r. Ethnomusicology: Seminar]
[Religion 1001. Religion and Ethnography - \(New Course\)](#)
 [Religion 1011. The Tree at the Center of the World]
[Religion 1028. Icon or Idol? Attitudes to the Sacred Image - \(New Course\)](#)
[Religion 1702. The Buddha in Myth, Image, and Ritual - \(New Course\)](#)
 [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](#)

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*)

Karl S. Guthke, Kuno Francke Professor of German Art and Culture (*on leave fall term*)

Annette Johansson-Los, Preceptor in Germanic Languages and Literatures

Charles P. Lutcavage, Senior Preceptor in German

Stephen A. Mitchell, Professor of Scandinavian and Folklore (*Director of Undergraduate Studies, Scandinavian*)

Sylvia Rieger, Preceptor in Germanic Languages and Literatures, Contin Ed/Spec Prog Instructor

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature
(*Director of Undergraduate Studies, German*)

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

Other Faculty Offering Instruction in the Department of Germanic Languages and Literatures

Joseph C. Harris, Francis Lee Higginson Professor of English Literature and Professor of Folklore (*on leave spring term*)

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology

Peter Nisbet, Senior Lecturer on History of Art and Architecture

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 Intersession.

German A. Elementary German

Catalog Number: 4294

Charles P. Lutcavage (spring term), Judith Ryan (fall term) and staff

Full course (indivisible). M. through Th., sections at 9, 10, 11, or 12. EXAM GROUP: 2, 11

A thorough 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 time is focused on developing oral proficiency. Language 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 Bab. Elementary German (Intensive)

Catalog Number: 8629

Charles P. Lutcavage (spring term), Judith Ryan (fall term) and staff

Full course (fall term; repeated spring term). Fall: M. through F., sections at 9 or 12; and an additional hour to be arranged. Spring: M. through F., sections at 9, 10, 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 a thorough introduction to German culture and language, encompassing all four skills: speaking, listening, reading, and writing. Class time is focused on developing oral proficiency; by the end of the course, students should be able to engage in everyday conversation with native speakers. Language 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 Da. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 5779

Judith Ryan and staff

Half course (fall term; repeated spring term). Fall term: M., W., F., sections at 9, 11, or 12; and an additional hour to be arranged. Spring term: M., W., F., at 9; and an additional hour to be arranged. EXAM GROUP: Fall: 2, 4; Spring: 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 Dab. Intermediate German (Intensive): Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 1351

Judith Ryan and staff

Full course (fall term; repeated spring term). Fall: M., W., F., at 12; Tu., Th., 1–3; Spring: M., W., F., at 12, Tu., Th., 1–3. EXAM GROUP: Fall: 5; Spring: 5, 15, 16

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 Db. Intermediate German: Speaking, Listening Comprehension, Reading, and Writing

Catalog Number: 2608

Judith Ryan and staff

Half course (fall term; repeated spring term). Fall term: M., W., F., at 9; and an additional hour to be arranged. Spring term: M., W., F., sections at 9, 11, or 12; and an additional hour to be arranged. EXAM GROUP: Fall: 2; Spring: 2, 4

Continuation of German Da. 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 Da or permission of the instructor.

German S. German for Reading Knowledge

Catalog Number: 7177

Charles P. Lutcavage and staff

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 50a. Introduction to 19th-Century German Literature

Catalog Number: 3213

Markus Wilczek

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

A survey of 19th-century German literature, this course also serves as an introduction to literary analysis and as an opportunity to further German reading, writing, and speaking skills. Readings include texts by Kleist, Hoffmann, Heine, Büchner, Grillparzer, Storm, Stifter, Keller, Fontane, and Wedekind.

Note: Discussions and readings in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor.

German 50b. Introduction to 20th-Century German Literature

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 parallel: for example, Friedrich Nietzsche and Hugo von Hofmannsthal, Alfred Döblin and Franz Kafka, Thomas Bernhard and Peter Handke. The course provides an historical overview, sharpens German reading skills, and introduces basic concepts in literary analysis.

Note: Conducted in German.

Prerequisite: Satisfaction of the language requirement, equivalent preparation, or permission of the instructor. German 50a is not a prerequisite for 50b.



German 61. Advanced Grammar and Reading

Catalog Number: 5179

Peter J. Burgard

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

Advanced instruction in German through systematic study of the rules of grammar, their nuances, and their exceptions. Application of this knowledge through readings of short selections of sophisticated texts (e.g., Goethe, Kant, Marx, Nietzsche, Freud, Rilke, 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 D, equivalent preparation, or permission of the instructor.

[German 62. Advanced German: Berlin Since 1989]

Catalog Number: 2201

Judith Ryan

Half course (spring term). M., W., F., at 12. Film screenings W., 6–8 pm. EXAM GROUP: 5

Using a broad array of literary and non-literary texts, the course explores the changes that have shaped Berlin since 1989. Areas of discussion include reunification and its aftermath, architectural metamorphoses, East-West German relations, the culture of memory, minorities, and filmic portrayals of Berlin. Materials drawn from newspapers, the Internet, and multimedia resources.

Note: Expected to be given in 2008–09. Strong class participation expected. Conducted in German. May not be taken Pass/Fail. Not open to auditors.

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

German 65. Wirtschaftsdeutsch

Catalog Number: 2678

Charles P. Lutcavage

Half course (fall term). M., W., F., at 11. EXAM GROUP: 3

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 D, equivalent preparation, or permission of the instructor.

German 68. Deutschland und Europa

Catalog Number: 6537

Charles P. Lutcavage

Half course (spring term). M., W., F., sections at 11 or 12. EXAM GROUP: 4, 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 60, German 61, German 62, German 65, or permission of the instructor.

***German 91r. Supervised Reading and Research**

Catalog Number: 1059

Judith Ryan 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 97. Tutorial — Sophomore Year**

Catalog Number: 1774

Markus Wilczek

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to German literary and cultural history and to the analysis of poetry, drama, narrative, and film.

Note: Discussions and Readings in German. Required of all concentrators.

***German 99. Tutorial — Senior Year**

Catalog Number: 3286

Judith Ryan and members of the Department

Full course. Hours to be arranged.

Note: 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

Literature and Arts A-17 (formerly Humanities 24). Childhood: Its History, Philosophy, and Literature - (New Course)
Yiddish A. Elementary Yiddish

For Undergraduates and Graduates

German 118. Goethe's Narrative Works - (New Course)

Catalog Number: 0611

Markus Wilczek

Half course (fall term). W., 4–6. EXAM GROUP: 9

This course investigates Goethe's narrative works and serves as an introduction to narrative theory. In close readings of *Die Leiden des jungen Werther*, *Unterhaltungen deutscher Ausgewanderten*, and excerpts from the *Wilhelm Meister* novels as well as from the *Wahlverwandtschaften*, particular attention will be given to the importance of communication through conversation, the circulation of letters, and the exchange of goods.

Note: Discussions and readings in German



[German 123. Fear and Pity: German Tragedies from the 18th to the 20th Century]

Catalog Number: 4720

Oliver Simons

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

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: Expected to be given in 2009–10. Readings and discussions in German.

German 147. Nietzsche

Catalog Number: 6994

Peter J. Burgard

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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: No knowledge of German required. All readings and discussions in English.

[German 148. Freud]

Catalog Number: 5403

Peter J. Burgard

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

Readings and discussions of Freud's major works (in translation), including *The Interpretation of Dreams*, *The Psychopathology of Everyday Life*, *Jokes and Their Relation to the Unconscious*, *Three Essays on the Theory of Sexuality*, *Totem and Taboo*, *The "Wolf Man,"* *Beyond the Pleasure Principle*, *Group Psychology and the Analysis of the Ego*, *The Ego and the Id*, *Civilization and Its Discontents*, and *Moses and Monotheism*.

Note: Expected to be given in 2008–09. 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). M., W., at 1. EXAM GROUP: 6

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: No knowledge of German required. Readings and discussions in English; German concentrators read texts in the original language.

[German 162. Gender Theory and Narrative Fiction]

Catalog Number: 4774

Oliver Simons

Half course (fall 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 2009–10. Readings and discussions in English; German concentrators read texts in the original language.

[German 175. Realism]

Catalog Number: 5173

Oliver Simons

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

Addressing the problem of “objective” representations of reality, the course concentrates on leading representatives of “bourgeois realism”: Gottfried Keller, Wilhelm Raabe, Theodor Storm, Theodor Fontane, and Conrad Ferdinand Meyer. Through close reading of texts, the course explores how narrative techniques create realistic effects. Attention is paid to the visual arts and sciences in the second half of the 19th century as important contexts for literature of the period.

Note: Expected to be given in 2009–10. Readings and discussions in German.

German 183. Critical Theory Revisited - (New Course)

Catalog Number: 9169

Oliver Simons

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Introduction to one of the most influential theories of the 20th Century. Special attention will be paid to the literary history that has anticipated some of its thoughts. Excerpts of Adorno’s aesthetic theory and a selection of his essays will be contextualized with texts by Goethe, Eichendorff and others; Benjamin’s writings will be discussed along with works by Brecht and Kafka.

Note: Readings and discussions in German.

[German 184. America in the German Mind]

Catalog Number: 3881

Oliver Simons

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

Journeys to “America” have their own history in German literature. For 19th-century writers such as Charles Sealsfield, Ferdinand Kürnberger, Friedrich Gerstäcker, Karl May, and others, “America” serves as a topos for aesthetic and political reflection. In 20th-century literature, the constructed nature of “America” becomes particularly apparent. Readings from this period include Franz Kafka, Wolfgang Koeppen, Peter Handke, Max Frisch, and W. G. Sebald.

Note: Expected to be given in 2010–11. Readings and discussions in German.

[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 2008–09. Readings in German, discussions in English.

German 190. Literature and Violence in the 20th Century - (New Course)

Catalog Number: 7128

Oliver Simons

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Examines how literature reflects violence, but also how violence stimulates new aesthetics throughout the 20th century. Authors include Jünger, Kafka, Müller, Artaud. Close readings of their texts will be accompanied by discussions of theoretical reflections on violence: Freud, Benjamin, Girard and others.

Note: Most readings in German. Discussions in German.

Cross-listed Courses

Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich

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

History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism

***History 1479. Intellectuals and Auschwitz: Research Seminar - (New Course)**

***History 1485. Weimar Intellectuals: Research Seminar**

Literature 167 (formerly Comparative Literature 167). Contemporary Fiction: The Novel After Theory

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

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema]

Primarily for Graduates

German 210 (formerly German 110). Baroque

Catalog Number: 8078

Peter J. Burgard

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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: Readings in German, discussions in English.

German 226r. Theories of Literature: Proseminar

Catalog Number: 1364

Oliver Simons

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17



Hermeneutics, structuralism, discourse analysis, deconstruction, systems theory, and gender theory are among the approaches to literature examined for their points of contact and divergence. Attention is also paid to the problem of “applying” theories to literary analysis.
Note: Readings and discussions in English.

German 231. The Limits of Enlightened Discourse - (New Course)

Catalog Number: 0943

Markus Wilczek

Half course (spring term). W., 4–6. EXAM GROUP: 9

Although Enlightenment culture put great emphasis on the power of rational discourse, there is a surprising amount of instances in which logos collapses in silence or erupts into screams. This course examines the reasons for the ‘failure’ of logos, and its implications for the relationship between language, affects, and society in the Enlightenment. Readings include Lessing, Knigge, Herder, Gerstenberg, Schiller, and Goethe.

Note: Discussions and readings in 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 2008–09. Conducted in English. Readings in English; students with German-language proficiency read texts in the original.

[German 269. Introduction to Film Analysis]

Catalog Number: 1886

Eric Rentschler

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

Analytic approaches to the close study of feature films, concentrating on exemplary German productions from 1920 to 1945.

Note: Expected to be given in 2009–10. Conducted in English. Some readings in German.

[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 2008–09. Readings in German, discussions in English.

[German 290. Experience and Remembrance in W. G. Sebald: Seminar]

Catalog Number: 7036

Judith Ryan



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

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: Expected to be given in 2008–09. Readings in German, discussions in English.

German 292 (formerly German 188). Poetry After Auschwitz

Catalog Number: 0379

Judith Ryan

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Engaging with Adorno's dictum about "poetry after Auschwitz" and related theoretical readings, the course focuses on lyric poetry from 1945 to the present. Special attention to Paul Celan.

Note: Readings in German, discussions in English.

Prerequisite: Good knowledge of German essential.

Cross-listed Courses

***Comparative Literature 299ar. Theory and Comparative Literature: Proseminar**

***Medieval Studies 280 (formerly *Comparative Literature 280). Literary Theory and Criticism in the Middle Ages: 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, Karl S. Guthke 1715 (on leave fall term), Peter Nisbet 1738, Eric Rentschler 2325, Judith Ryan 1135, Oliver Simons 5274, and Maria Tatar 3645

Germanic Philology

Primarily for Graduates

Germanic Philology 280. Introduction to Current Methods in Teaching German

Catalog Number: 5944

Charles P. Lutcavage

Half course (spring term). W., at 2. EXAM GROUP: 7

A thorough introduction to current teaching approaches in foreign language teaching. Emphasis on development of practical skills for teaching beginning to advanced German language courses, including use of instructional technology, the Internet, and multimedia resources.

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

[English 101. The History and Structure of the English Language](#)

[Linguistics 110. Introduction to Linguistics](#)

[Linguistics 168. Introduction to Germanic Linguistics](#)

[[Linguistics 247. Topics in Germanic Linguistics](#)]

Dutch

For Undergraduates and Graduates

[Dutch Aa \(formerly Dutch A\). Elementary Dutch](#)

Catalog Number: 7660

Charles P. Lutcavage

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

An introduction to Dutch, focusing on speaking, listening, reading, and writing skills. Class sessions emphasize the development of oral proficiency. Readings, videos, and the Internet provide supplementary material for discussion of current events and culture.

Note: Not open to auditors. May not be taken Pass/Fail.

Scandinavian

Primarily for Undergraduates

[Scandinavian 65. Modern Scandinavian Masterpieces: Doubt, Decision, and Narrative from Kierkegaard to Dogma 95 - \(New Course\)](#)

Catalog Number: 7158

Stephen A. Mitchell and Members of the Department

Half course (fall term). M., W., 2–3:30; M., 3:30–6.

An introduction to 19th- and 20th-century Scandinavian novels and films. The course explores novels by Kierkegaard, Hans Christian Andersen, Jacobsen, Hamsun, Jensen, Blixen, Lagerkvist, Høeg, and films by Dreyer, Carlsen, Bergman, Andersson, and Vinterberg within the context of major literary movements and historical events. Special attention is paid to moments of decision and choice and their relation to narrative strategies. Additional short readings in decision theory and narratology.

Note: Readings and discussion in English.

[\[Scandinavian 80. The Vikings and the Nordic Heroic Tradition\]](#)

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 AD 800 to AD 1100, concentrating on the medieval Icelandic sagas. The course focuses on how those texts present their heroes as warriors, kings, poets, outlaws, and adventurers, and reviews how the viking image is received and shaped in later periods (e.g., Victorian England). Such topics as pre-Christian mythology and the Norse experience in “Vinland” also considered.



Note: Expected to be given in 2008–09. All readings and discussions in English. This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts A.

***Scandinavian 91r. Supervised Reading and Research**

Catalog Number: 7308

Stephen A. Mitchell and members of the Department

Half course (fall term; repeated spring term). M., 4–6.

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.

Note: 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.

Swedish A. Introduction to Swedish Language and Literature

Catalog Number: 7438

Annette Johansson-Los

Full course (indivisible). M. through Th., at 12. EXAM GROUP: 5, 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

Annette Johansson-Los

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

Annette Johansson-Los

Half course (spring term). M., W., at 2:30-4; and an additional hour to be arranged. EXAM GROUP: 7, 8

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.

For Undergraduates and Graduates

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., 1-2:30. EXAM GROUP: 15, 16

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). Th., 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 (on leave spring term) 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 (*Public Health*) (*Co-Chair*)

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*) (*Co-Chair*) (*on leave 2007-08*)

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 (*on leave fall term*)

Dan W. Brock, Frances Glessner Lee Professor of Legal Medicine (*Medical School*)

Nicholas A. Christakis, Professor of Sociology (*FAS*) and Professor of Medical Sociology (*Medical School*)

David M. Cutler, Otto Eckstein Professor of Applied Economics, Dean for the Social Sciences in the Faculty of Arts and Sciences

David A. Edwards, Gordon McKay Professor of the Practice of Biomedical Engineering

Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)

Susanne J. Goldie, Roger Irving Lee Professor of Public Health (*Public Health*)

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*)
Daniel L. Hartl, Higgins Professor of Biology
Jim Yong Kim, Professor of Social Medicine and Professor of Medicine (*Medical School*) and
Francis-Xavier Bagnoud Professor of Health and Human Rights (*Public Health*)
Gary King, David Florence Professor of Government
Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology
and of African and African American Studies
Jennifer Leaning, Esther and Sidney Rabb Professor of Anthropology (*FAS*) and Professor of
Medical Anthropology (*Medical School*)
Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time
Warner Endowment
Amartya Sen, Lamont University Professor
Bruce Walker, Professor of Medicine (*Medical School*)
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 Professorship of Ethics in Politics and Government (*Chair*)
James E. Alt, Frank G. Thomson Professor of Government (*Director of Graduate Studies*)
Muhammet Ali Bas, Assistant Professor of Government



Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies
Daniel P. Carpenter, Allie S. Freed Professor of Government (*on leave 2007-08*)
Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies (*Director of Undergraduate Studies*)
Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics
Grzegorz Ekiert, Professor of Government
Margarita Estevez-Abe, Paul Sack Associate Professor of Political Economy
Jeffrey Frieden, Stanfield Professor of International Peace
Aaron Garrett, Visiting Associate Professor of Government (*Boston University*) (*fall term only*)
Claudine Gay, Professor of Government and of African and African American Studies
Adam Glynn, Assistant Professor of Government
Dmitry P. Gorenburg, Lecturer on Government (*fall term only*)
Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)
Chase Henri Harrison, Preceptor in Government
D. Sunshine Hillygus, Frederick S. Danziger Associate Professor of Government
Michael J. Hiscox, Professor of Government
Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor
Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor
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 Sr. and Linda and Christel Noe Laine Kelley Professor of China in World Affairs
David C. King, Lecturer in Government (*Kennedy School*)
Gary King, David Florence Professor of Government
Steven R. Levitsky, John L. Loeb Associate Professor of the Social Sciences, Professor of Government
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave fall term*)
Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government
Lisa L. Martin, Clarence Dillon Professor of International Affairs (*on leave spring term*)
Jens Meierhenrich, Assistant Professor of Government and of Social Studies
D. Glyn Morgan, Associate Professor of Government and of Social Studies
Eric M. Nelson, Assistant Professor of Government
Robert L. Paarlberg, Visiting Professor of Government (*Wellesley College*) (*spring term only*)
John W. Patty, Assistant Professor of Government
Elizabeth M. Penn, Assistant Professor of Government
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Paul E. Peterson, Henry Lee Shattuck Professor of Government
Susan J. Pharr, Edwin O. Reischauer Professor of Japanese Politics
Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
Kevin M. Quinn, Associate Professor of Government
Thomas F. Remington, Visiting Professor of Government, Visiting Scholar in the Kathryn W. and Shelby Cullom Davis Center for Russian Studies (*Emory University*)
James Robinson, Professor of Government (*on leave 2007-08*)



Michael E. Rosen, Professor of Government
 Stephen P. Rosen, Beton Michael Kaneb Professor of National Security and Military Affairs,
 Master of Winthrop House, Director of the Olin Institute
 Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government
 Austin D. Sarat, Visiting Professor of Social Studies (*Amherst College*) (*fall term only*)
 Emad Shahin, Visiting Associate Professor of Government (*The American University in Cairo*)
 Kenneth A. Shepsle, George D. Markham Professor of Government
 Richard E. B. Simeon, Visiting William Lyon MacKenzie King Professor of Canadian Studies
 (*University of Toronto*) (*fall term only*)
 Beth A. Simmons, Clarence Dillon Professor of International Affairs
 Thomas Simons, Lecturer on Government (*spring term only*)
 Cindy Skach, Associate Professor of Government
 Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the
 Graduate School of Arts and Sciences (*on leave spring term*)
 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 (*on leave 2007-08*)
 Richard Tuck, Frank G. Thomson Professor of Government (*on leave 2007-08*)
 Sidney Verba, Carl H. Pforzheimer University Professor (*on leave 2007-08*)
 Daniel F. Ziblatt, Associate Professor of Government and of Social Studies (*on leave 2007-08*)

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*)
 Richard H. Fallon, Ralph S. Tyler, Jr., Professor in Constitutional Law (*Harvard Law School*)
 Garrett M. Fitzmaurice, Associate Professor of Biostatistics (*Public Health*)
 Lee Fleming, Associate Professor of Business Administration (*Business School*)
 J. Bryan Hehir, Parker Gilber Montgomery Professor of the Practice in Religion and Public Life
 (*Kennedy School*)
 Guido W. Imbens, Professor of Economics
 Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
 Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences
 Roger B. Porter, IBM Professor of Business and Government (*Kennedy School*)
 James M. Robins, Professor of Epidemiology and Biostatistics (*Public Health*)
 Donald B. Rubin, John L. Loeb Professor of Statistics
 Matthew C. Stephenson, Assistant Professor of Law (*Law School*)
 Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
 Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)
 Bruce Western, Professor of Sociology
 William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
 Christopher Winship, Diker-Tishman Professor of Sociology

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. Introduction to Political Thought

Catalog Number: 8836

Eric Beerbohm

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

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.

Government 20. Introduction to 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 democratization and good governance, institutional structures, political culture, economic development, political participation, and ethnic conflict. Examines and critically evaluates major contemporary controversies in comparative politics and applies these in group workshop exercises focused on state-building in Afghanistan and Iraq. Compares cases



from Africa, Asia, Europe, and Latin America to illustrate the basic tools and methods of comparative analysis.

Government 30. American Government: A New Perspective

Catalog Number: 0263

Paul E. Peterson and D. Sunshine Hillygus

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

Government 50. Introduction to Political Methodology - (New Course)

Catalog Number: 6500

Adam Glynn

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

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.

Cross-listed Courses

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

Government 90. Junior Seminars

These half courses are limited to 16 participants with preference given to government concentrators in their junior years. Students who have elected the honors program may take two junior seminars (90), two junior tutorials (98) or one of each. Enrollment in both 90 and 98 is determined by a lottery based on student preferences. Undergraduate non-concentrators may enroll in junior seminars and tutorials on a space available basis. All students wishing to enroll in Government 90 or 98 must participate in the lottery.

***Government 90a. Contemporary British Politics**

Catalog Number: 6263 Enrollment: Limited to 16.

James E. Alt

Half course (spring term). Tu., 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 90au. Political Economy**

Catalog Number: 8213 Enrollment: Limited to 16.

Torben Iversen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[*Government 90aw. Contemporary European Politics]

Catalog Number: 0957 Enrollment: Limited to 16.

Daniel F. Ziblatt

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

The course traces key issues in contemporary Europe focusing on the impact of the May 2004 expansion of the EU on the new members of the EU. How has EU expansion affected the newly admitted states? What lessons can be learned from earlier cases of EU expansion about the prospects for economic growth and political stabilization? What are and will be the political reactions to the ongoing processes of transformation?

Note: Expected to be given in 2009–10.

***Government 90bc. Courts and Social Change**

Catalog Number: 9386 Enrollment: Limited to 16.

Kevin M. Quinn

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Many commentators argue that courts, particularly the Supreme Court, have brought about non-trivial social change. This course looks at the processes by which such changes might occur and examines the empirical support for claims of court-driven social change.

[*Government 90bg. Parties and Elections]

Catalog Number: 9098 Enrollment: Limited to 16.

Nahomi Ichino

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

Broadly examines whether and how political parties and elections induce governments to be accountable to their citizens, with an emphasis on developing areas.

Note: Expected to be given in 2009–10.

***Government 90bm. Israeli National Security Strategy, Policy and Decision Making - (New Course)**

Catalog Number: 6236 Enrollment: Limited to 16.

Charles David Freilich

Half course (spring term). W., 4–6. EXAM GROUP: 9



Israel confronts an external environment of nearly unremitting hostility. Israel has responded by developing a disproportionate defense establishment and "hunkering down" decision making style. The course focuses on basic tenets and issues of Israel's national security strategy and its structures and processes of decision making. It is designed for those with a general interest in Israel and Mid East, comparative politics and practitioners/future practitioners, with an interest in "real world" analysis.

***Government 90bn. Shakespeare's Rome - (New Course)**

Catalog Number: 9101

Paul Cantor

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

A study of Shakespeare's contribution to the political and philosophical understanding of ancient Rome, focusing on the problem of regime change (republic vs. empire). Readings include Coriolanus, Julius Caesar, Antony and Cleopatra, Titus Andronicus, and Cymbeline, with background material in Polybius, Machiavelli, Montesquieu, and others.

Government 90cj. Elections and Democracy in Latin America - (New Course)

Catalog Number: 8496

Luis Carlos Ugalde

Half course (spring term). W., 2–4.

This seminar focuses on the nature and quality of election management and party competition in the Americas: administration of elections, voting procedures, conflict management, campaign finance, access to the media and international democracy assistance. While its main focus is on the Latin American experience, it will also frequently discuss the United States and cases from Africa, Europe and Southeast Asia. Special attention will be given to the case of Mexico.

***Government 90dd. Education Politics and Policy**

Catalog Number: 3796 Enrollment: Limited to 16.

Paul E. Peterson

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Analysis of political forces shaping elementary and secondary education governance and policy. Major contemporary issues discussed. Students expected to write term papers.

***Government 90dj. Contemporary Mexican Politics - (New Course)**

Catalog Number: 1187 Enrollment: Limited to 16.

Rafael Fernandez

Half course (fall term). W., 5–7 p.m. EXAM GROUP: 9

This course explores one of the most complex bilateral relations in the world, given that, among other factors, Mexico and the U.S. share a 2,000-mile border, the largest one between a rich and a developing country.

Government 90dn. Mapping the Census - (New Course)

Catalog Number: 2017

Sumeeta Srinivasan

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will use mapping as a methodological technique to examine Census data. Students



will be expected to use mapping software to examine Census data for a location of their choice for their final paper. Weekly discussions will be conducted in class on various mapping related topics. Topics include cartography techniques; web based mapping and recent advances in geographic information analysis.

***Government 90ec. Hume, Smith, and Kant - (New Course)**

Catalog Number: 6195 Enrollment: Limited to 16.

Michael Frazer

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

A reading of the major moral, political and economic writings of David Hume, Adam Smith and Immanuel Kant.

***Government 90ef. Black Politics in the Post Civil Rights Era - (New Course)**

Catalog Number: 3345 Enrollment: Limited to 16.

Claudine Gay

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 90eo. Globalization and American Foreign Economic Policy]

Catalog Number: 9955 Enrollment: Limited to 16.

Michael J. Hiscox

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

Examines the foreign economic policies of the US in the context of increasing global economic integration. Topics include: globalization benefits and costs, winners and losers; lessons from history; trade policy; multinational corporations; debt crises; labor standards; and international environmental issues.

Note: Expected to be given in 2009–10.

***Government 90fj. Political Persuasion**

Catalog Number: 5033 Enrollment: Limited to 16.

D. Sunshine Hillygus

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines political persuasion and democratic decision-making, with particular attention paid to government persuasion campaigns such as presidential elections. What is the function of political persuasion in American democracy? What techniques do political elites use to attempt to influence mass opinions and behavior? Who is most likely to be influenced by such appeals? What is the role of the mass media? Readings drawn from political communication, political psychology, and political behavior.

***Government 90fn. Secrets and Lies in American Law and Politics - (New Course)**

Catalog Number: 3106 Enrollment: Limited to 16.



Austin D. Sarat (Amherst College)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Politics seems almost unimaginable without secrecy and lying. This course investigates how American political and legal practices are informed by the keeping and telling of secrets, and the telling and exposing of lies. We will explore the importance of secrecy in the domains of national security and law enforcement and the claims of privacy in our intimate lives. We also will examine ways secrecy and lying are treated in films about American law and politics.

***Government 90gc. Gender, Politics, and Markets**

Catalog Number: 1496 Enrollment: Limited to 16.

Margarita Estevez-Abe

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Although improvements have been made during the past century, women are still treated differently within the family, workplace and in politics. Where does this difference originate? Is gender difference either necessary or desirable? Why does the status of women differ across countries?

***Government 90gs. Civil Society in Asia**

Catalog Number: 7546 Enrollment: Limited to 16.

Susan J. Pharr

Half course (spring term). Th., 4–6. EXAM GROUP: 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 90iq. Japan in the Social Sciences]

Catalog Number: 0663 Enrollment: Limited to 16.

Susan J. Pharr

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

This seminar analyzes politics, society, and policy in contemporary Japan. It brings theories and approaches from political science, sociology, economics, and other disciplines to bear on basic issues and problems relating to Japan in comparative perspective over the period from 1868 to the present, focusing mainly on the past decade. It takes the measure of Japanese democracy; of the socio-political system that is emerging from the “lost decade”; and of Japan’s evolving international role.

Note: Expected to be given in 2008–09.

***Government 90jm. Comparative Constitutionalism: Religion and State**

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 90nl. Election Polling and Public Opinion**

Catalog Number: 3531 Enrollment: Limited to 16.

Chase Henri Harrison

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Political polls and other survey methodologies are frequently used to understand and explain both voter intentions and public opinion. This course will examine the theoretical and practical issues involved in using polls and surveys. We will explore the normative assumptions involved in polling, study possible sources of error in survey measures, and discuss the prospective implications of polling for policy and governance.

***Government 90pb. Rights, Natural Law, and Their Discontents - (New Course)**

Catalog Number: 9512 Enrollment: Limited to 16.

Aaron Garrett (Boston University)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

We will consider and contextualize seventeenth-century natural law theories (including works by Grotius, Pufendorf, Locke and Hobbes) and then eighteenth-century philosophers (Hutcheson, Hume, Bentham) who expanded and criticized these theories to accommodate new political and social situations: animal rights, race and abolition, and women's rights. We will conclude by reading post-French Revolution rights critics: Wollstonecraft on the rights of man, Godwin's attacks on marriage and property, and Oswald's call for animal revolution.

***Government 90pn. The Chinese Revolution in Comparative Perspective**

Catalog Number: 8639 Enrollment: Limited to 16.

Elizabeth J. Perry

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

The course will cover general theories of revolutionary change as well as specific studies of revolutionary movements in China, from the 19th century Taiping rebels to the present. We will examine the causes and consequences of these movements for Chinese politics, and consider their similarities and differences to revolutionary uprisings elsewhere around the world.

Note: Preference given to Government concentrators.

[*Government 90q. US–Latin American Relations]

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 2008–09.



***Government 90qa. Community in America**

Catalog Number: 4941 Enrollment: Limited to 16.

Robert D. Putnam

Half course (spring term). W., 1:30–3:30. EXAM GROUP: 6, 7, 8

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 90qj. Art, Truth, and Society - (New Course)**

Catalog Number: 5210 Enrollment: Limited to 16.

Michael E. Rosen

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

A look at two important and ambitious attempts to give an account of aesthetic value that connects art to its place in society: Hegel's Lectures on Aesthetics, and Adorno's Aesthetic Theory.

***Government 90rk. Social Justice and the Varieties of Capitalism - (New Course)**

Catalog Number: 0785 Enrollment: Limited to 16.

Margarita Estevez-Abe

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

This course is both normative and empirical. It examines normative arguments for social justice and the institutional implications of those arguments.

Government 90rs. Topics in Agent-Based Modeling - (New Course)

Catalog Number: 7362

Elizabeth M. Penn

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An agent-based model is a tool used by social scientists to study how large-scale social dynamics result from micro-level individual behavior. This course provides an introduction to the use of computational agent-based modeling and its application to political science. Class time will consist of discussions, student presentations of work-in-progress, and the hands-on programming of the student's own model. While no prior programming experience is necessary, students should arrive enthusiastic about learning to program.

[*Government 90sf. "Why Americans Love God and Europeans Don't"] - (New Course)

Catalog Number: 6247 Enrollment: Limited to 16.

D. Glyn Morgan

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

The United States is one of the most religious countries in the developed world. Why? What explains the growing religious divide between the United States and Western Europe? What are the implications of American religiosity for US Constitutional Law, US presidential politics, and transatlantic relations? Readings include: David Hume, Adam Smith, Max Weber, Emile Durkheim, and Friedrich Nietzsche. This course requires a rudimentary knowledge of statistics.
Note: Expected to be given in 2008–09.



***Government 90sp. Future of War**

Catalog Number: 6012 Enrollment: Limited to 16.

Stephen P. Rosen

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the character and implications of political and technological factors that could affect the future conduct of war.

[*Government 90td. Comparative Leadership Politics]

Catalog Number: 6687 Enrollment: Limited to 16.

Timothy J. Colton

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

Do political leaders make a difference? Under what conditions do they matter more or less? How are leaders and leadership qualities formed? The course considers these questions, as played out in a variety of societies and political regimes.

Note: Expected to be given in 2008–09.

***Government 90tm. Contemporary Arab Political and Social Thought**

Catalog Number: 5418 Enrollment: Limited to 16.

Emad Shahin (The American University in Cairo)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course focuses on the development of political and social thought in the Arab world since the end of the nineteenth century. It examines the various attempts at achieving reform or an "Arab awakening," and the social and political contexts that gave rise to several competing ideologies. Discussions will cover the Islamic ideology, early reform movements, intellectual encounters with the West, Islamic modernism, regional nationalism, Arab nationalism, radical ideologies, and Islamic revival.

[*Government 90vo. Democratic Theory and the Electoral Law]

Catalog Number: 3640 Enrollment: Limited to 16.

Dennis F. Thompson

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

An exploration of the theoretical dimensions of contemporary controversies about the electoral process in the US. Among the topics considered are concepts of representation in racial districting, the meaning of free choice in a two-party system, and the limits of majoritarianism in the governance of elections. Readings in political theory and election law.

Note: Expected to be given in 2009–10.

Tutorials

***Government 91r. Supervised Reading and Research**

Catalog Number: 2444

Timothy J. Colton

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 97a. Tutorial — Sophomore Year**

Catalog Number: 3023

Harvey C. Mansfield and Kenneth I. Kersch

Half course (spring term). Tu., 6–8 p.m.

Issues in American politics used to investigate the fundamental political questions that confront any society. Readings in classics of American politics and of liberal political theory; great speeches; important Supreme Court cases.

***Government 97b. Tutorial — Sophomore Year**

Catalog Number: 4403

Jeffrey Frieden and Timothy J. Colton

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

This sophomore tutorial will examine selected issues in comparative politics and international relations.

***Government 98r. Tutorial — Junior Year**

Catalog Number: 7179

Timothy J. Colton and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Ordinarily taken as two half courses by juniors who have elected the honors program, but open to all junior Government concentrators. Students may take two junior tutorials (Government 98), two junior seminars (Government 90), or one of each. Enrollment determined by a lottery based on student preferences. Students planning on being off campus during part or all of junior year should see the Director of Undergraduate Studies about permission to take junior tutorials or seminars before or after their absence. Undergraduate nonconcentrators may enroll in junior tutorials or seminars if space is available. All students wishing to enroll in Government 90 or 98 must participate in the lottery.

***Government 99r. Tutorial — Senior Year**

Catalog Number: 3652

Timothy J. Colton 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: Two half courses of Government 98 or 90, in any combination.

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). M., 4–6. EXAM GROUP: 9

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.

Prerequisite: Gov. 50, or equivalent, or permission of the instructor.

[Government 1001. Introduction to Quantitative Methods in Political Science]

Catalog Number: 0881

Adam Glynn

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

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? The field of quantitative political methodology addresses these questions and many others by using and developing statistical methods that combine data with political science theory. This course is designed to provide undergraduates with the basic skills necessary to use quantitative methods in their own research.

Note: Expected to be given in 2009–10.

Prerequisite: High school algebra.

Government 1002. Advanced Quantitative Political Methodology - (New Course)

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 1000 or the equivalent.

[Government 1004. Introduction to Agent-Based Modeling]

Catalog Number: 7516

Elizabeth M. Penn

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

This course will provide a hands-on approach to modeling individual and group behavior using computer simulation techniques. An emphasis will be placed on in-class examples and student projects. No prior programming experience is necessary.

Note: Expected to be given in 2009–10.

[Government 1006. Mathematics of Elections]

Catalog Number: 9430

Elizabeth M. Penn

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

Voting procedures provide the commonest means of aggregating preferences of individuals into societal outcomes. This course will examine the effects that different voting procedures have on how groups make decisions. Topics will include Arrow's Theorem and other legislative paradoxes, and why the choice of electoral procedure is critical to our understanding of how



"good" and "bad" decisions are made. We will also study electoral systems currently in use in over fifty of the world's democracies.

Note: Expected to be given in 2009–10.

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 Methods and Design

Catalog Number: 8482

Chase Henri Harrison

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Surveys and polls are fundamental to the study of public opinion and behavior, and they play an increasingly prominent role in electoral politics. This course is designed to teach students the skills necessary to implement, use, and interpret opinion surveys. The course will focus on the concepts and principles necessary for designing a reliable and valid survey questionnaire, and will be structured as a reading course on survey methods and a practicum in survey design.

Government 1011. Practicum in Survey Research

Catalog Number: 7359

Chase Henri Harrison

Half course (spring term). Th., 4–6. EXAM GROUP: 18

This course will be designed to provide students the opportunity to put into practice the principles and concepts of survey research. Students will experience the survey process first hand by designing, implementing, and analyzing their own survey on any topic of their choosing or by working with a faculty member on an ongoing survey project. This broad, hands-on approach will provide a supervised environment in which students can gain practical experience in conducting surveys.

Government 1012. Applied Calculus Linear Algebra For the Social Scientist - (New Course)

Catalog Number: 4351

Karen Gold



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

The goal of this course is to provide adequate background in calculus and linear algebra for graduate students in the social sciences interested in pursuing advanced applied statistics course work in the social sciences. The content is specifically formulated to address the needs of students who did not formally study these topics as undergraduates or have need for a refresher. Slight familiarity with >elementary statistics is helpful, but no required.

Government 1015. Strategic Models of Political Economy

Catalog Number: 5117

John W. Patty

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

A first course in formal methods in political economy. The course is meant to introduce students to modeling techniques as well as the practice of applying such techniques to the study of political science and economics. Though theoretically motivated, the course will also discuss the role of empirical evaluation in model building and testing.

Cross-listed Courses

***Economics 2020a. Microeconomic Theory I**

***Economics 2020b. Microeconomic Theory II**

Engineering Sciences 103. Spatial Analysis of Environmental and Social Systems

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). M., 4–6. EXAM GROUP: 9

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 2002. Topics in Quantitative Methods

Catalog Number: 8168

Kevin M. Quinn and Adam Glynn

Half course (fall term). W., 4–6. EXAM GROUP: 9

Introduction to two broad areas of modern statistics---graphical modeling and nonparametric inference. Illustrates how ideas and methods from each of these areas can be fruitfully applied to two different application areas-- statistical natural language processing and causal inference.

Prerequisite: Government 2000 and Government 2001, or equivalent, or permission of the instructor.

***Government 2003. Hierarchical Bayesian Modeling**

Catalog Number: 3713

Kevin M. Quinn

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Provides students a solid understanding of Bayesian inference and Markov chain Monte Carlo methods. Topics covered include: Bayesian treatment of the linear model, Markov chain Monte Carlo methods, assessing model adequacy, and hierarchical models.

Prerequisite: Government 1000 and Government 2000, the equivalents, or permission of the instructor.

Government 2005. Formal Political Theory I

Catalog Number: 1719

John W. Patty

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A graduate seminar on microeconomic modeling, covering price theory, decision theory, social choice theory, and game theory.

Government 2006. Formal Political Theory II

Catalog Number: 5487

Elizabeth M. Penn

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Continuation of Government 2005.

[*Government 2009. Methods of Political Analysis]

Catalog Number: 1080 Enrollment: Limited to 15.

Peter A. Hall

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

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: Expected to be given in 2008–09. Open to all doctoral students, regardless of year, and to advanced undergraduates.

[Government 2011. Social Choice Theory]

Catalog Number: 3229

Elizabeth M. Penn



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

This course will cover advanced topics in formal modeling that might not otherwise be covered in a non-cooperative game theory course. Topics will include social choice theory, spatial modeling, fixed point theorems and mechanism design.

Note: Expected to be given in 2009–10.

Political Thought and Its History

For Undergraduates and Graduates

Government 1052. History and Freedom in German Idealism - (New Course)

Catalog Number: 3628

Michael E. Rosen

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

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 Idealist's thought.

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 Core area requirement for Moral Reasoning.

Government 1077 (formerly Government 2087). Leibniz: Justice as Love and Benevolence - (New Course)

Catalog Number: 5479

Patrick T. Riley

Half course (spring term). M., W., at 1. EXAM GROUP: 6

A comprehensive treatment of the political, moral, and jurisprudential philosophy of G. W. Leibniz (1646-1716) focusing on justice as a Platonic "eternal verity" which requires "wise love" or "universal benevolence." Special attention paid to Leibniz' Theodicy (theos-dike, "the justice



of God") as the highest version of "universal jurisprudence." Treatment of Leibniz' devotion to Plato, Cicero, St. John, Augustine, and Grotius, and of his rejection of the "voluntarism" and conventionalism of Epicurus, Calvin, Descartes, Hobbes, and Locke. Comparison of Leibniz and Shakespeare. Concluding with Kant's critique of Leibniz in "On a Discovery" (1790) and in "Critique of All Theodicy" (1791).

Government 1082. What is Property?

Catalog Number: 2723

Eric M. Nelson

Half course (fall term). Tu., Th., at 1;. EXAM GROUP: 15

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

Government 1087. Shakespeare and Politics - (New Course)

Catalog Number: 2109

Paul Cantor

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

A study of Shakespeare as political thinker, focusing on the histories and the tragedies, with some attention to the comedies. Background reading will include Machiavelli's *The Prince*. We will survey the variety of political regimes in Shakespeare, from the British monarchy to the commercial republic of Venice to the utopia of *The Tempest*.

[Government 1092. The Past and Future of the Left]

Catalog Number: 6197

Roberto Mangabeira Unger (Law School)

Half course (spring term). Tu., 5–7 p.m. EXAM GROUP: 18

Political and social theory reconsidered from the vantage point of a major tradition in modern politics. Explaining and overcoming the disorientation of the Left in contemporary societies. The rise and fall in the nineteenth and twentieth centuries of the idea of a progressive alternative to established institutions. The directions the Left today now takes, might take, or should take. The relation of programmatic thought to the understanding of change and constraint.

Note: Expected to be given in 2008–09. Offered jointly with the Law School as 44170-31.

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

Catalog Number: 4613

Michael J. Sandel and Douglas A. Melton

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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: May not be taken concurrently with MCB 60. May not be taken for credit if MCB 60 has already been taken. Moral Reasoning 22 (Justice) is recommended as background. Enrollment may be limited.

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.

[Economics 2080. Economics and Politics: The Foundations of Economics in Political Theory]

[French 242. Jean-Jacques Rousseau - \(New Course\)](#)

[Historical Study B-34. The World in 1776]

[*History 1474. Republics and Republicanism: Research Seminar](#)

[Moral Reasoning 17. Democracy and Inequality]

[Moral Reasoning 22. Justice](#)

[Moral Reasoning 58. Slavery in Western Political Thought]

[Moral Reasoning 68. Legalism: Ruly and Unruly Thought and Practices](#)

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 2008–09.

[Government 2053. Justice and the Family - \(New Course\)](#)

Catalog Number: 2217

Bertrand Guillarme

Half course (spring term). Tu., 2–4.

The seminar explores how political thought has conceived the family as a model of political society, and how standards of justice and right apply in turn to the family. Taking into account the rise of "Assisted Reproductive Technologies" (ARTs), it discusses how they affect the question of procreative liberty, and new issues of distributive justice. It also examines grounds and dimensions of parenthood, children's rights, and moral education.

[Government 2056. Political Thought of the English Revolution] - (New Course)

Catalog Number: 5107

Eric M. Nelson

Half course (spring 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 2008–09.

Government 2059. Rawls - (New Course)

Catalog Number: 4751

Michael E. Rosen

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

We shall cover the full range of Rawls' writings and set ourselves the task of developing a sympathetic account of the continuities and changes in his thought as he responded to criticism of his project.

[Government 2079. Hume]

Catalog Number: 6648

Richard Tuck

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

This course is an opportunity to study in depth the ethical and political writings of David Hume, including the Treatise, the Enquiries, the Essays, the History of England, and his minor works.

Note: Expected to be given in 2008–09. Though primarily for graduates, it is open to qualified undergraduates.

[Government 2080 (formerly Government 1059). Topics in Political Philosophy: Natural Right]

Catalog Number: 4345 Enrollment: Limited to 20.

Harvey C. Mansfield

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

A reading of Aristotle's Politics.

Note: Expected to be given in 2009–10. Open to qualified undergraduates.

Government 2083. Democracy: Theories & Issues - (New Course)

Catalog Number: 6836 Enrollment: For graduate students and qualified undergraduates.

Stanley Hoffmann

Half course (spring term). W., 2–4.

This seminar examines theoretical justifications of democracy, criticisms of democracy by defenders of authority, and the positions of champions of social justice critical of liberal democracy. Discusses some of democracy's contemporary problems, such as representation, ethnicity, religion and international challenges.

Government 2088. Ethical Foundations of Political Thought - (New Course)

Catalog Number: 2378

Michael E. Rosen and Eric Beerbohm

Half course (fall term). W., 4–6. EXAM GROUP: 9

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 2089. Civic Friendship - (New Course)

Catalog Number: 7012

Paul Ludwig

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

Ancient political philosophy of friendship and family love with attention to recent issues in political theory. Readings from Plato, Aristotle, Sophocles, and Aristophanes along with selected modern and contemporary authors.

Note: Open to qualified undergraduates.

***Government 2090. Ethics and Biotechnology**

Catalog Number: 0942

Michael J. Sandel

Half course (fall term). M., 5–7 p.m. EXAM GROUP: 9

The seminar explores the moral and political implications of recent advances in biotechnology. Topics include cloning, stem cell research, genetic engineering, eugenics, and patenting of life forms.

Note: Offered jointly with the Law School as 93370-11. Meets at the Law School. Open to GSAS students with permission of the instructor.

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.

[Government 1111. Political Institutions in Democracies and Non-Democracies] - (New Course)

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 2008–09.

Government 1167. Fire and Ice? Comparing Politics and Government in Canada and the United States

Catalog Number: 5061

Richard E. B. Simeon (University of Toronto)

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



This course will concentrate on politics and government in Canada, viewed through the lens of comparison with the United States. Both countries are liberal democracies with many shared values; they are tightly integrated culturally and economically. Yet many see increasing divergence—in values, institutions, and policies. What explains similarity and difference; convergence and divergence? The course will be linked to the activities of the 'Canada Seminar' of the Weatherhead Center for International Affairs.

[Government 1170. Nation-Building and Democracy in the Development of Europe]

Catalog Number: 2585

Daniel F. Ziblatt

Half course (fall 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 the European Union's 2004 eastward 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 2008–09.

Government 1183. European Integration: Political, Philosophical, and Legal Perspectives

Catalog Number: 4875

D. Glyn Morgan

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

Postwar Europe has embarked upon a project of integration. Why? Where will it end? Can we expect a "United States of Europe?" Does European integration spell the end of NATO and the rise of a European nationalism? What do eurosceptics want? Is there a European model of society? How will Europe assimilate its minorities? Does Europe—as some far-sighted thinkers have argued—need a Superstate?

[Government 1197. The Political Economy of Africa]

Catalog Number: 9130

Robert H. Bates and James Robinson

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

The basic social science literature on Africa's development. Particular emphasis on political economy.

Note: Expected to be given in 2009–10.

Government 1203. Capitalism and Democracy in Central and Eastern Europe

Catalog Number: 7078

Grzegorz Ekiert

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

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: Preference given to juniors and seniors. Weekly meetings are divided between lecture and discussion.



Government 1206. Contemporary Political Islam

Catalog Number: 0371

Emad Shahin (The American University in Cairo)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course provides students with an understanding of the phenomenon of political Islam and its impact on today's politics. It analyzes the Islamic order and the model(s) that inspires modern Islamist activists; examines the ideas of main ideologues of contemporary Islamic movements; and presents case studies of mainstream and radical Islamic groups. The course concludes with a critical analysis of the future of political Islam and its relations with the West.

***Government 1209. Post-Communist Islam**

Catalog Number: 5816 Enrollment: Limited to 25.

Thomas Simons

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines the contemporary situations of Muslims in the post-Soviet space and Eastern Europe. After sessions on Islam as a religion and in history and on Muslims in the Russian Empire and under Communism, focuses on post-Soviet developments in the four main Eurasian areas where Muslims live, in Russia and in independent new states. Ends with sessions on Chechnya and on Muslims in the Balkans. Main theme: the interplay of socio-economic development, religion, and politics.

Government 1218. Globalization, Development, and the Middle East

Catalog Number: 3963 Enrollment: Limited to 25.

Emad Shahin (The American University in Cairo)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course focuses on globalization, development, and the Middle East and North Africa (MENA). It investigates globalization and the politics and strategies of development in the MENA. The topics that the course covers include: the impact of the global economy on MENA countries; the mismanagement of the region's resources; types of political regimes; problems associated with state-led growth, privatization, and corruption; the limits of liberalization; and, regional integration vs. globalization. The assigned readings analyze specific case studies.

Government 1235. Genocide

Catalog Number: 8404

Jens Meierhenrich

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This lecture course examines the theory and history of genocide. It compares and contrasts the dynamics of genocide in Turkey, Germany, Cambodia, the former Yugoslavia, Rwanda, and Sudan to shed light on the origins of "final solutions" and their disastrous effects. By examining possible and impossible solutions to this problem of "radical evil," the course further assesses the conditions for, and limitations to, achieving justice in domestic politics and international affairs.

Government 1243. Russian Politics in Transition

Catalog Number: 1982

Dmitry P. Gorenburg

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



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.

Government 1273. The Political Economy of Japan

Catalog Number: 1365

Margarita Estevez-Abe

Half course (spring 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 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.

Cross-listed Courses

[Economics 2328. The Emergence of Modern Economic Growth: A Comparative and Historical Analysis]

Foreign Cultures 48. The Cultural Revolution

Historical Study A-71. Constitutionalism

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

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

Social Analysis 52. The Political Economy of Development

Primarily for Graduates

***Government 2105. Comparative Politics: Field Seminar**

Catalog Number: 0154

Timothy J. Colton and Elizabeth J. Perry

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 (fall 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 2008–09. Open to junior and senior undergraduates with permission of instructor. Offered jointly with the Kennedy School as ISP-409. Meets at the Kennedy School.

Government 2123. International Courts - (New Course)

Catalog Number: 1527

Jens Meierhenrich

Half course (spring term). F., 2–4. EXAM GROUP: 7, 8

This seminar provides an introduction to the role of courts in municipal and international law, with particular reference to their evolution and effects.

Government 2128. Institutional Engineering in Divided Societies: Managing and Accommodating Difference

Catalog Number: 3020

Richard E. B. Simeon (University of Toronto)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A comparative examination of institutional and policy designs for the management and accommodation of ethno-cultural conflict in divided societies. We explore alternative strategies: from the institutionalization and empowerment of difference, to the transcendence and cross-cutting of difference.

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.

Government 2134. Church and State: Global Perspectives - (New Course)

Catalog Number: 4301

Cindy Skach

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

Liberal democracies around the world are asked to balance religious freedom and state neutrality,



and to do so in an increasingly diverse and socially explosive world. What are the competing models of secularism for today's democracies? What are the possibilities, and limits, of religious liberty in increasingly diverse polities? These questions are examined by engaging historical developments in American and European legislation and jurisprudence.

Note: Offered Jointly with the Law School as LAW-90455A. Meets at the Law School.

Government 2142. Comparative Constitutional Law

Catalog Number: 0429

Cindy Skach

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This seminar explores the construction, deliberation, and interpretation of "higher law" in contemporary democracies.

Government 2148. Civil Society, West and East

Catalog Number: 4675

Susan J. Pharr and Grzegorz Ekiert

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

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.

[*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 2008–09.

[*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 2008–09.

Government 2162. Perspectives on Political Economy

Catalog Number: 1999

Robert H. Bates and Kenneth A. Shepsle

Half course (fall term). W., 12–2. EXAM GROUP: 5, 6

A microperspective on various topics in political economy. This year, the focus will be on



demography (the size and composition of populations and the structure of the family); its impact and politics; and the impact of politics on it.

Government 2167. Comparative Constitutionalism and Judicial Review - (New Course)

Catalog Number: 3931

Ran Hirschl

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examination of pertinent jurisprudential and political aspects of the international migration of constitutional ideas and the global expansion of judicial review; constitutional transformation; comparative legal institutions and judicial behavior; and the judicialization of politics worldwide.

Government 2213. Comparative Politics of Post-Socialism

Catalog Number: 6876

Timothy J. Colton and Grzegorz Ekiert

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

[Government 2214. Government and Politics in the Post-Soviet States]

Catalog Number: 0922

Timothy J. Colton

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

The collapse of the Soviet Union was followed by the formation of 15 independent states that manifest remarkable variation in political regimes, institutions, and policies. The course examines this variation and ways of explaining it.

Note: Expected to be given in 2008–09.

[Government 2218. Topics in Russian Politics]

Catalog Number: 0872

Timothy J. Colton

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

A research seminar on selected problems in the politics and government of post-Soviet Russia. Intended for students with some prior study of the subject.

Note: Expected to be given in 2008–09.

Government 2221. Comparative Politics and the Middle East

Catalog Number: 7459

Emad Shahin (The American University in Cairo)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

This course aims at equipping graduate students with the theoretical and empirical skills necessary to link the discipline of comparative politics to the Middle East as an area study.

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 (spring term). Tu., 12–2. EXAM GROUP: 14, 15

Examines social science research on the politics and political economy of Africa.

Government 2262. Politics and Political Economy in Japan

Catalog Number: 7446

Susan J. Pharr

Half course (spring term). W., 4–6. EXAM GROUP: 9

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: Open to qualified undergraduates.

Government 2284. Chinese Authors on Chinese Politics

Catalog Number: 7556

Roderick MacFarquhar

Half course (spring 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: Open only to graduate students who have taken the equivalent of an undergraduate course in Chinese politics.

[*Government 2286. Research Seminar on Chinese Politics]

Catalog Number: 7361

Elizabeth J. Perry

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

Focuses on primary sources for the study of Chinese politics: archives, documents, gazetteers, yearbooks, interviews, etc. Students write a major research paper, using primary sources.

Note: Expected to be given in 2008–09.

Prerequisite: Government 2285 required.

American Government, Public Law and Administration

For Undergraduates and Graduates



Government 1300. The Politics of Congress

Catalog Number: 8868

David C. King (Kennedy School)

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

Government 1300 explores theories of representation, the history of Congress, campaigns and elections, lobbying, institutional rules, committees, party leadership, and how Congress works with other institutions. Taught by the chair of Harvard's program for Newly Elected Members of Congress, Government 1300 will bring elements of the elections - and the subsequent 110th Congress - into the classroom.

Government 1362. Democratic Citizenship Public Opinion and Participation in the US - (New Course)

Catalog Number: 8628

Claudine Gay

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

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

Paul E. Peterson

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

A comprehensive survey of the governmental institutions and political processes that shape education policy in the United States.

[Government 1510. American Constitutional Law]

Catalog Number: 0383

Richard H. Fallon

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

Provides an introduction to contemporary American constitutional law, with a principal focus on decisions by the Supreme Court of the US. Topics to be studied include freedom of speech and religion, guarantees of due process and equal protection, and the powers of Congress and the courts.

Note: Expected to be given in 2008–09.

[Government 1521. Bureaucratic Politics: Government, Economic, Social and Military Organizations]

Catalog Number: 6271

Daniel P. Carpenter

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

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.

Note: Expected to be given in 2008–09.

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 PAL-115. Meets at FAS.

Government 1590. Making American Public Policy

Catalog Number: 4184

R. Shep Melnick

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

Examines the dynamics American politics at the national level by focusing on five policy areas: Social Security, welfare reform, environmental protection, education, and programs for those with disabilities. How has American politics changed since the 1960s? To what extent does American politics remain "exceptional"? How do the roles played by Congress, the president, federal courts, and bureaucracy shift as one moves from one policy arena to another?

***Government 1597. Advanced Topics in Health Policy**

Catalog Number: 2981 Enrollment: Limited to 20.

Claudine Gay

Half course (spring term). W., 6:30–8:30 p.m. 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

Environmental Science and Public Policy 78. Environmental Politics

[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

Jennifer L. Hochschild and David Mayhew

Half course (spring term). M., 4–6. EXAM GROUP: 9

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 API-420. Meets at the Kennedy School.

Government 2314. Topics in American Political Behavior - (New Course)

Catalog Number: 8452

Claudine Gay

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[Government 2332. Political Economy of Regulation]

Catalog Number: 4635

Daniel P. Carpenter

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

A theoretically driven examination of the role of market-government relations. We begin with several schools of regulation theory and then move to consider three different policy domains of federal regulation: energy and environmental, workplace and consumer safety, and pharmaceuticals/health.

Note: Expected to be given in 2009–10.

[Government 2335. Power in American Society]

Catalog Number: 2649

Jennifer L. Hochschild

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

Considers theories of power in American political science and political theory; how to measure and use these theories to understand political stratification choices. Attention to race, gender, class, legal standing, policies, and institutional frameworks.

Note: Expected to be given in 2009–10.

***Government 2340. Proseminar on Inequality and Social Policy II**

Catalog Number: 5491

Torben Iversen, Kathryn Edin



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

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. Meets at the Kennedy School.

[Government 2359. Political Persuasion]

Catalog Number: 1107

D. Sunshine Hillygus

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

This seminar examines topics in public opinion, political communication, and political persuasion. Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government.

Note: Expected to be given in 2008–09.

Government 2392. American Political Ideologies

Catalog Number: 6079

Jennifer L. Hochschild

Half course (spring term). W., 4–6. EXAM GROUP: 9

Combines American political thought and popular ideologies--canonical works (Federalist Papers, Tocqueville, Lincoln) are read for their explicit philosophy as well as assumptions about power and status. Also examines the social, economic, and political context of the writings.

[Government 2452. Electoral Politics] - (New Course)

Catalog Number: 1654

D. Sunshine Hillygus

Half course (spring term). Tu., 2–4.

An examination of the dynamics of electoral politics, with an emphasis on mass and elite behavior, political campaign, political organizations, and the media.

Note: Expected to be given in 2008–09.

[*Government 2485. Positive Political Theory and Public Law I: The Administrative State]

Catalog Number: 2193 Enrollment: Limited to 12.

Matthew C. Stephenson (Law School)

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

Examines applications of positive political theory (PPT) to law and politics in the administrative state. Topics covered include delegation authority to administrative agencies, political and judicial oversight, and the role of administrative procedures.

Note: Expected to be given in 2008–09. Offered jointly with the Law School as LAW-44581A. Meets at the Law School.

Prerequisite: Preference given to students who intend to enroll in Government 2486.

[*Government 2486. Positive Political Science and Public Law II: Research and Writing Workshop]

Catalog Number: 9517 Enrollment: Limited to 12.

Matthew C. Stephenson (Law School)



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

This informal workshop is intended for students doing independent research on applications of positive political theory to law and politics in administrative state.

Note: Expected to be given in 2008–09. Offered jointly with the Law School as LAW-44581A.

Meets at the Law School.

Prerequisite: Preference given to students who enrolled in Government 2485.

[*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 2008–09. Limited enrollment. Permission of instructor required for all students who are not graduate degree candidates in the FAS Department of Government. Offered jointly with the Kennedy School as HLE-348. Meets at the Kennedy School.

[Government 2500. Bureaucratic Politics and Behavior]

Catalog Number: 8621

Daniel P. Carpenter

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

A theoretically and empirically intensive examination of public bureaucracies in the US and other nations. Empirical issues include administrative behavior, bounded rationality, delegation, hierarchy, organizational capacity, bureaucratic learning, redundancy, bureaucratic delay, and political influence.

Note: Expected to be given in 2008–09.

Government 2576. Racial and Ethnic Politics in the United States - (New Course)

Catalog Number: 7260

Jennifer L. Hochschild

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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.

Cross-listed Courses

Government students interested in taking the following course must consult with the Director of Graduate Studies:

***Sociology 296a. Proseminar on Inequality and Social Policy I**

International Relations

For Undergraduates and Graduates



[Government 1730. War and Politics]

Catalog Number: 6806

Stephen P. Rosen

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

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: Expected to be given in 2008–09.

Government 1732. The Origins of Modern Wars - (New Course)

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."

Government 1740. International Law

Catalog Number: 7406

Beth A. Simmons

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

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 1751. Human Rights - (New Course)

Catalog Number: 9238

Gary Jonathan Bass (Harvard Law School)

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

A study of the politics of human rights. The course looks at theoretical underpinnings for rights; the politics of humanitarian military intervention; national and international efforts to undermine dictatorships; the politics of international war crimes tribunals, from World War I to the International Criminal Court; and the role of human rights in terrorism and counterterrorism after September 11. Major cases include the Ottoman Empire, Nazi Germany, the Soviet Union, Bosnia, Rwanda and Darfur.

Government 1760. International Relations of East Asia

Catalog Number: 2733

Alastair Iain Johnston

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

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 1780. International Political Economy

Catalog Number: 0272

Jeffrey Frieden

Half course (fall term). M., W., 4–5:30. EXAM GROUP: 9

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 1790. American Foreign Policy

Catalog Number: 8017

Robert L. Paarlberg (Wellesley College)

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

Examines and explains the international actions of the US Government. Explanations drawn from history, international relations theory, and from the study of American political and bureaucratic institutions. Emphasis is placed on the recent rise of the US to a position of unprecedented military dominance, how this military power has been used, and how other states, non-state actors, or global governance institutions have responded.

Government 1966. Israeli Foreign Policy: A Nation Dwelling Alone? - (New Course)

Catalog Number: 3863

Charles David Freilich

Half course (spring term). W., F., at 2. EXAM GROUP: 7

Israel faces an extraordinarily dangerous and complex foreign and defense environment. A tiny nation, its range of concerns extends far beyond the immediate region, bordering on those of a major power. Most of all, Israel is focused on the peace process, fundamentalism, terror and WMD proliferation, especially Iran's, the "Special Relationship" with the US, ties with Europe, now including the EU and NATO, Turkey, India, and Russia. The course provides an overview of these and other issues.

[Government 1982. Chinese Foreign Policy, 1949–2000]

Catalog Number: 8908

Alastair Iain Johnston

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

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 2008–09. 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]

[Moral Reasoning 28. Ethics and International Relations](#)

[Quantitative Reasoning 38. The Strategy of International Politics]

Primarily for Graduates

[*Government 2710. International Relations: Field Seminar](#)

Catalog Number: 8310

Lisa L. Martin and Muhammet Bas

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

A survey of the field. Suitable for students preparing for general examinations.

Note: Limited to Government graduate students.

[*Government 2721. Psychological Approaches to International Relations](#)

Catalog Number: 5404

Stephen P. Rosen and Dominic Johnson

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course will examine the relevance of the findings from experimental psychology to the behavior of individual decision makers in international relations. Topics will include prospect theory, attribution theory, and evolutionary psychology.

[Government 2752. Formal Modeling in International Relations - \(New Course\)](#)

Catalog Number: 3764

Muhammet Ali Bas

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

[Government 2755. International Political Economy](#)

Catalog Number: 7392

Beth A. Simmons and Jeffry Frieden

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

A graduate-level introduction to the theoretical and empirical literature on the political economy of international trade, monetary, regulatory, and investment policies.

[Government 2782. State Failure and Civil War](#)

Catalog Number: 0742

Robert H. Bates

Half course (spring term). M., 4–6. EXAM GROUP: 9

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., W., 2:40–4. EXAM GROUP: 7, 8

Examination of central issues of American foreign policy today. For each issue, analysis of the international environment, identification of specific policy options, consideration of pros and cons, reflection on processes for choice and action.

Note: Offered jointly with the Kennedy School as ISP-202. Meets at the Kennedy School.

Government 2791. Comparative Foreign and Security Policy

Catalog Number: 7696

Alastair Iain Johnston

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Focus is on the theory, methods, and data used in the empirical analysis of the foreign security policies of states. Examines the sources of state preferences, the structural and domestic constraints on state action, and foreign policy change.

Prerequisite: Prior training in international relations theory strongly recommended.

Government 2881. Mass Media, Public Opinion, and Foreign Policy

Catalog Number: 7305

Matthew Baum (Kennedy School)

Half course (fall term). Tu., Th., 2:40–4. EXAM GROUP: 16, 17

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 PPP-306. Meets at the Kennedy School.

[Government 2895. U.S.-Mexican Relations] - (New Course)

Catalog Number: 2087

Rafael Fernandez

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course explores one of the most complex bilateral relations in the world. The analysis will look at migration, drug-trafficking, trade and integration, as well as the growing Mexican population in the United States.

Note: Expected to be given in 2008–09.

[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 2008–09.

Government 2962. Jihad: From Classical Islam to Bin Laden - (New Course)

Catalog Number: 6109

Jocelyne Cesari (Divinity School)

Half course (fall term). M., 1–3.



Analyzes meanings, theories and uses of jihad in the Islamic tradition, and traces its evolution from its origins into political, cultural and historical contexts, from anti-colonial jihad to hams hixbollah and al quaeda.

Note: Offered jointly with the Divinity School as 3865. Meets at the Divinity School.

Graduate Courses of Reading and Research

***Government 3000. Reading and Research**

Catalog Number: 3391

James E. Alt 1593, Muhammet Bas, Robert H. Bates 1251, Eric Beerbohm 5558, Daniel P. Carpenter 4509, Timothy J. Colton 2269, Jorge I. Domínguez 3823, Grzegorz Ekiert 2718, Margarita Estevez-Abe 3565 (on leave spring term), Jeffry Frieden 1627 (on leave fall term), Claudine Gay 5485, Adam Glynn 5600, Peter A. Hall 7272 (on leave 2006-07), D. Sunshine Hillygus 4617, Michael J. Hiscox 4104 (on leave fall term), Jennifer L. Hochschild 3785, Stanley Hoffmann 1757, Samuel P. Huntington 1765, Nahomi Ichino 5316, Torben Iversen 1250, Alastair Iain Johnston 3213 (on leave spring term), Gary King 1723, Steven R. Levitsky 2395, Roderick MacFarquhar 7856 (on leave spring term), Harvey C. Mansfield 1731, Lisa L. Martin 1048, Glyn Morgan 2184, John W. Patty 4999, Elizabeth M. Penn 5000, Elizabeth J. Perry 3074 (on leave fall term), Paul E. Peterson 2114, Susan J. Pharr 1518, Robert D. Putnam 6193 (on leave 2006-07), James Robinson 5022, Michael E. Rosen 5610 (on leave spring term), Stephen P. Rosen 2721, Nancy Lipton Rosenblum 3786, Michael J. Sandel 7065 (on leave 2006-07), Kenneth A. Shepsle 1421, Beth A. Simmons 4487, Cindy Skach 3386 (on leave 2006-07), Theda Skocpol 1387, Dennis F. Thompson 1426, Richard Tuck 1704, Sidney Verba 4072, and Daniel F. Ziblatt 4641 (on leave 2007-08)

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

Claudine Gay 5485, D. Sunshine Hillygus 4617, and Paul E. Peterson 2114

Full course (indivisible). Th., 2–4.

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 and Stephen P. Rosen 2721, Muhammet Bas

Full course (indivisible). Spring: Tu., 12–2.

Research workshop for advanced graduate students working on dissertation proposals in security studies.

***Government 3006. Research Workshop in Comparative Politics**

Catalog Number: 0910

Margarita Estevez-Abe 3565 and Torben Iversen 1250, Thomas Remington

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, Robert H. Bates 1251, Jeffry Frieden 1627, Michael J. Hiscox 4104, Torben Iversen 1250 (spring term only), Kenneth A. Shepsle 1421, and Beth A. Simmons 4487

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

Eric Beerbohm 5558 (spring term only), Eric M. Nelson 5345 (fall term only), and Nancy Lipton Rosenblum 3786

Full course (indivisible). W., 12–2.

***Government 3009. Research Workshop in Applied Statistics**

Catalog Number: 8142

Alberto Abadie (Kennedy School) 5277, Garrett M. Fitzmaurice (Public Health) 4067, Lee Fleming (Business School) 3839, Adam Glynn 5600, Guido W. Imbens 2671, Gary King 1723, Kevin M. Quinn 4737, James M. Robins (Public Health) 1492, Donald B. Rubin 7966, Bruce Western 5763 (fall term only), and Christopher Winship 3189

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, Public Health*) and Professor of Health Care Policy (*Medical School*) (*Chair*)

Alyce S. Adams, Assistant Professor of Ambulatory Care and Prevention (*Medical School*)

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 (*on leave fall term*)

Daniel P. Carpenter, Allie S. Freed Professor of Government (*on leave 2007-08*)

Amitabh Chandra, Assistant Professor of Public Policy (*Kennedy School*)

Michael Chernew, Professor of Health Care Policy (*Medical School*)

Nicholas A. Christakis, Professor of Sociology (*FAS*) and Professor of Medical Sociology (*Medical School*)

Paul D. Cleary, Professor of Medical Sociology (*Medical School*)

David M. Cutler, Otto Eckstein Professor of Applied Economics, Dean for the Social Sciences in the Faculty of Arts and Sciences

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*)

Erica M. Field, Assistant Professor of Economics

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*)

Nancy M. Kane, Professor of Management (*Public Health*)

Gary King, David Florence Professor of Government

Michael R. Kremer, Gates Professor of Developing Societies

Bruce E. Landon, Associate Professor of Health Care Policy and of Medicine (*Medical School*)

Peter V. Marsden, Harvard College Professor and 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*)
 Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)
 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*) (*on leave 2008-09*)
 Lisa A. Prosser, Assistant Professor of Ambulatory Care and Prevention (*Medical School*) and Assistant Professor in the Department of Health Policy and Management (*Public Health*)
 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*) (*Director of Graduate Studies*)
 Milton C. Weinstein, Henry J. Kaiser Professor of Health Policy and Management and Biostatistics (*Public Health*) and Professor of Medicine (*Medical School*) (*on leave 2008-09*)
 Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)
 Richard J. Zeckhauser, Frank Plumpton Ramsey 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 faculties: the Faculty of Arts and Sciences, the School of Public Health, the Medical School, the John F. Kennedy School of Government, the Law School, and the Graduate School of Business Administration. 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. Students with a strong background in ethics and political philosophy will have a chance to deepen that understanding and apply it to issues in health policy, while at the same time acquiring necessary quantitative skills. Students with degrees or training in related fields, such as law or medicine or public health, will acquire both normative and quantitative skills needed for research and teaching in ethics and health policy.

Evaluative Science and Statistics (Professor B. Stephen Soumerai and Professor Alan M. Zaslavsky, Co-Chairs). The concentration in evaluative science includes research design, statistics and probability, and quantitative methods in biometry, economics, epidemiology, psychology, and sociology. This training enables students to design experiments and surveys, to perform health outcome assessment studies, to develop statistical models and analyses to evaluate these studies, and to make statistical inferences from observational data sets that arise from health policy and medical care processes. This concentration prepares students to evaluate alternative policy options in health care.

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. Students in this track should have a strong interest in pursuing research on such issues as the design and improvement of health care delivery processes, approaches for improving health care quality and productivity, the development and adoption of new medical technologies, financial incentives in health care, the new role of patients as consumers in health care, the appropriate ownership and organizational structure of hospitals and other health care providers, and the management of professional health care staffs. We expect students completing this track to find jobs in academic and research institutions that have an interest in the impact of management on health care. These institutions would include business schools, as well as



medical schools, schools of public health, and schools of public policy.

Medical Sociology (Professor Peter V. Marsden, Chair). 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. Graduates of this concentration will likely teach and do research on the politics of health care and will be involved with government, professional, and consumer groups on research projects related to the politics of public policy in the public health and health services fields.

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.fas.harvard.edu/~healthpl.

Health Policy Courses

Health Policy 2000. Core Course in Health Policy

Catalog Number: 4522

Richard G. Frank (Medical School), Joseph P. Newhouse (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.

***Health Policy 3010. First-Year Graduate Reading Course: Ethics**

Catalog Number: 9241

Norman Daniels (Public Health) 4722

This course 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 - (New Course)**

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 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 2008–09.

***Health Policy 3030. Graduate Reading Course: Medical Sociology**

Catalog Number: 1826

Peter V. Marsden 1797 and Thomas G. McGuire (Medical School) 4723

***Health Policy 3040hf. Research Seminar in Health Policy**

Catalog Number: 8870

B. Katherine Swartz (Public Health) 2461

Half course (throughout the year). Hours to be arranged.

***Health Policy 3060. Graduate Reading Course: Decision Sciences**

Catalog Number: 2133

Milton C. Weinstein (Medical School) 3043 (on leave 2008-09)

***Health Policy 3070. Graduate Reading Course: Economics**

Catalog Number: 7439

Joseph P. Newhouse (Medical School) 2425



***Health Policy 3080. Graduate Reading Course: Evaluative Science and Statistics**

Catalog Number: 9516

Alyce S. Adams (Medical School) 3926, 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 2460. Health Economics Workshop](#)

***Economics 3460chf. Research in Health Economics**

[Extra-Departmental Courses 186. Introduction to Health Care Policy](#)

[*Extra-Departmental Courses 187. The Quality of Health Care in America](#)

History

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of History

James T. Kloppenberg, Charles Warren Professor of American History, Harvard College
Professor, Department Chair of History (*Chair*)

Emmanuel K. Akyeampong, Harvard College Professor and Professor of History and of African
and African American Studies

David R. Armitage, Lloyd C. Blankfein Professor of History

Sven Beckert, Professor of History (*Director of Undergraduate Studies*)

David Blackbourn, Coolidge Professor of History

Ann M. Blair, Henry Charles Lea Professor of History (*on leave spring term*)

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Vincent Brown, Dunwalke Associate Professor of American History

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*on leave 2007-08*)

Nancy F. Cott, Jonathan Trumbull Professor of American History

Emma Dench, Professor of the Classics and of History

Caroline M. Elkins, Hugh K. Foster Associate Professor of African Studies

Drew Gilpin Faust, Lincoln Professor of History and President of Harvard University

Niall Ferguson, Laurence A. Tisch Professor of History (*FAS*) and Professor of Business
Administration (*Business School*)



Alison F. Frank, Assistant Professor of History (*on leave 2007-08*)
 Andrew Gordon, Lee and Juliet Folger Fund Professor of History (*on leave 2007-08*)
 Peter E. Gordon, Professor of History
 James Hankins, Professor of History
 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 (*on leave 2007-08*)
 Maya Jasanoff, Associate Professor of History (*on leave spring term*)
 Andrew Jewett, Assistant Professor of History and of Social Studies
 Walter Johnson, Professor of History and of African and African American Studies (*on leave 2007-08*)
 Christopher P. Jones, George Martin Lane Professor of the Classics and of History
 Cemal Kafadar, Vehbi Koc Professor of Turkish Studies
 Edward L. Keenan, Andrew W. Mellon Professor of History (*on leave 2007-08*)
 William C. Kirby, T. M. Chang Professor of China Studies (*FAS*) and Spangler Family Professor of Business Administration (*Business School*), Harvard University Distinguished Service Professor (*on leave 2007-08*)
 Mark A. Kishlansky, Frank B. Baird, Jr. Professor of History, Contin Ed/Spec Prog Instructor
 Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History
 Jill M. Lepore, David Woods Kemper '41 Professor of American History, Department Chair of History and Literature (*on leave 2007-08*)
 Mary D. Lewis, John L. Loeb Associate Professor of the Social Sciences (*on leave 2007-08*)
 Xiaoyuan Liu, Visiting Professor of History (*Iowa State University*)
 Gerard Livesey, Visiting Professor of History (*University of Sussex*)
 Christopher Loveluck, Visiting Professor of History (*University of Nottingham*) (*fall term only*)
 Malinda Maynor Lowery, Assistant Professor of History
 Charles S. Maier, Leverett Saltonstall Professor of History
 Erez Manela, Dunwalke Associate Professor of American History
 Terry D. Martin, George F. Baker III Professor of Russian Studies (*on leave 2007-08*)
 Kenneth R. Maxwell, Visiting Professor of History
 Ernest R. May, Charles Warren Professor of American History
 Michael McCormick, Francis Goelet Professor of Medieval History
 Lisa M. McGirr, Professor of History
 Ian J. Miller, Assistant Professor of History
 Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)
 Afsaneh Najmabadi, Professor of History and of Studies of Women, Gender, and Sexuality
 Susan E. O'Donovan, Associate Professor of African and African American Studies and of History
 Kelly A. O'Neill-Uzgiris, Assistant Professor of History
 E. Roger Owen, A. J. Meyer Professor of Middle East History
 Steven Ozment, McLean Professor of Ancient and Modern History
 Serhii Plokhii, Mykhailo S. Hrushevs'kyi Professor of Ukrainian History
 Uta G. Poiger, Visiting Associate Professor of History and of History and Literature (*University of Washington*)
 Emma Rothschild, Jeremy and Jane Knowles Professor of History



Daniel L. Smail, Professor of History (*on leave 2007-08*)
David Smith, Lecturer on History
Rachel St. John, Assistant Professor of History (*on leave 2007-08*)
Judith Surkis, Associate Professor of History and of History and Literature (*on leave spring term*)
Hue-Tam Ho Tai, Kenneth T. Young Professor of Sino-Vietnamese History (*Director of Graduate Studies*) (*on leave spring term*)
Eric Tang, Visiting Assistant Professor of History (*University of Illinois, Chicago*)
Stephan Thernstrom, Winthrop Professor of History (*on leave spring term*)
Benjamin Tromly, Lecturer on History
Laurel Thatcher Ulrich, 300th Anniversary University Professor (*on leave spring term*)
David Wilkins, Visiting Professor of History (*University of Minnesota*) (*spring term only*)
John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

Other Faculty Offering Instruction in the Department of History

Mikael Adolphson, Associate Professor of Japanese History
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
Harold Bolitho, Professor of Japanese History (*on leave 2007-08*)
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, Harvard College Professor
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
William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology
Donald Fleming, Jonathan Trumbull Professor of American History, Emeritus
Peter L. Galison, Joseph Pellegrino University Professor
Ivan Gaskell, Senior Lecturer on History
Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations
Jeffrey Gurock, Joseph Engel Visiting Professor in American Jewish History (*Yeshiva University*) (*fall term only*)
David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)
Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies
Morton J. Horwitz, Charles Warren Professor of American Legal History (*Law School*)
Akira Iriye, Charles Warren Professor of American History, Emeritus, Charles Warren Research Professor of American History
Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)
Sun Joo Kim, Associate Professor of Korean History



Philip A. Kuhn, Francis Lee Higginson Professor of History and of East Asian Languages and Civilizations, Emeritus

Nino Luraghi, Professor of the Classics (*on leave fall term*)

Harvey C. Mansfield, William R. Kenan, Jr., Professor of Government

Richard Pipes, Frank B. Baird, Jr., Professor of History, Emeritus

Leah Price, Professor of English and American Literature and Language, Harvard College Professor, Acting Chair of the Committee on Degrees in History and Literature

Michael J. Puett, Professor of Chinese History

Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization

Michael A. Szonyi, John L. Loeb Associate Professor of the Humanities

Roman Szporluk, Mykhailo S. Hrushevs'kyi Research Professor of Ukrainian History

Steven J. Zipperstein, Gerard Weinstock Visiting Professor of Jewish History (*Stanford University*) (*fall term only*)

Courses numbered 10–999 are Primarily for Undergraduates; courses numbered 1000–1999 are for Undergraduates and Graduates. These are distributed as follows:

1050–1099 Ancient History

1101–1299 Medieval and Renaissance History

1300–1599 Early and Modern Europe

1600–1699 United States

1700–1799 Latin America

1800–1930 Asia, Africa and Australasia

1931–3910 Historiography, Methodology, Global, and Comparative

Courses numbered 2000 and over are Primarily for Graduates. They are distributed as above, but stepped up by 1000. Courses designated as “Primarily for Graduates” may, with the permission of the instructor, be taken by senior History concentrators who are candidates for honors.

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

Sven Beckert 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 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

Laurel Thatcher Ulrich (fall term) and Mark A. Kishlansky, Joyce E. Chaplin, and Lisa M. McGirr (spring term)

Half course (fall term; repeated spring term). Hours to be arranged.

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. The fall term is limited to juniors entering the concentration and seniors pursuing the secondary field.

***History 99. Senior Thesis Tutorial**

Catalog Number: 5803

Adam Gregory Beaver

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. Either half year may be taken as a half course with the consent of the DUS.

Introductory Courses

Primarily for Undergraduates

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

Catalog Number: 0213

Angeliki E. Laiou, Emma Dench, and Steven Ozment

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

A survey of Mediterranean and West European societies from Greco-Roman antiquity to the Scientific Revolution.

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

History 10b. Western Economies, Societies, and Politics: From 1648 to the Present

Catalog Number: 0262

Niall Ferguson

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

Second half of a survey of European history, from the aftermath of the Thirty Years War to the aftermath of the Cold War. Also treats some parts of Asian, American and African history as other continents were affected by European expansion. Topics include agricultural, commercial and industrial development; demographic change and social stratification; mass migration, trade and globalization; religion and political ideology; monarchies, republics and empires; revolutions, wars and international orders.



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

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.

History 20a. Western Intellectual History: Greco-Roman Antiquity

Catalog Number: 6308

James Hankins

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

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

History 20b. Western Intellectual History: The Middle Ages to the Seventeenth Century

Catalog Number: 7573

James Hankins

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

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

Ancient History

For Undergraduates and Graduates

See also Classical Archaeology 180 and 181.

[*History 1051. Roman Imperialism: Reading Seminar]

Catalog Number: 0336 Enrollment: Limited to 12.

Emma Dench (on leave spring term)

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 2008–09.

***History 1084. Edward Gibbon and the Roman Empire: Reading Seminar - (New Course)**

Catalog Number: 2669 Enrollment: Limited to 12.

Christopher P. Jones

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

The course studies the greatest of Roman historians, Edward Gibbon (1737-1794), through the prism of his masterwork, *The Decline and Fall of the Roman Empire*. Subjects to be considered include Gibbon's views of Christianity, his account of peoples outside the empire, and his changing views about when "Rome" fell.

[History 1085. The Roman Empire, Augustus to Constantine]

Catalog Number: 3109

Christopher P. Jones

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

The Roman Empire from its foundation by Augustus to the death of Constantine; its social, political, and military development; its institutions (emperor, senate, army); Roman imperial art and coinage; Greek and Roman literature of the imperial period; religious developments, including Judaism and Christianity under Roman rule; women and minorities. Sections will focus on issues of particular interest and on the study of primary documents. No knowledge of ancient languages required.

Note: Expected to be given in 2008–09. This course, when taken for a letter grade, meets the Core area requirement for Historical Study B.

History 1091 (formerly Jewish Studies 125). Jewish History in the Second and Post-Temple Period

Catalog Number: 6035

Shaye J.D. Cohen

Half course (fall 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.

Cross-listed Courses

Classical Studies 145. Ancient Greek Tyranny - (New Course)

Historical Study B-09. The Christian Revolution

Latin 115a (formerly Latin 115). Tacitus

Primarily for Graduates



[History 2051. Ethnic Identities in Classical Antiquity: Seminar]

Catalog Number: 0006

Emma Dench

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

Explores questions of what it meant to be Greek, Athenian, Roman, Jewish, or Etruscan in classical antiquity, in what contexts were identities articulated, and how were relationships between selves and others imagined and played out.

Note: Expected to be given in 2008–09.

Medieval and Renaissance History

For Undergraduates and Graduates

See also Committee on Medieval Studies. Students are also directed to Divinity School courses.

[History 1101. Medieval Europe](#)

Catalog Number: 4278

Michael McCormick

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

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: 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.

[History 1111. The Fall of the Roman Empire]

Catalog Number: 6019

Michael McCormick

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

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. Expected to be given in 2009–10.

[History 1121. Vengeance, Hatred, and Law in Premodern Europe]

Catalog Number: 7743

Daniel L. Smail

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

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 bloodfeud, 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: 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 1122. Persons and Things in Medieval Europe: Reading Seminar]

Catalog Number: 9657 Enrollment: Limited to 12.

Daniel L. Smail (on leave 2007-08)

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

Will explore certain styles of thinking and forms of behavior that governed everyday life in medieval Europe. Major topics will include forms of identity, including kinship and gender, manners and clothing fashions, forms of exchange, and patterns of mobility.

Note: Expected to be given in 2009–10.

***History 1123. Material Cultures: England and France: Reading Seminar - (New Course)**

Catalog Number: 2952 Enrollment: Limited to 12.

Christopher Loveluck (University of Nottingham) 5901 (fall term only)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Comparative analysis of the forces that shaped societies in Britain (England and Wales) and West Francia (France and Flanders), between A.D. 600 and 1200, through the study of archaeological and textual reflections of those societies.

History 1124. Archaeology of Urban Identities - (New Course)

Catalog Number: 8694

Christopher Loveluck (University of Nottingham)

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

Uses archaeology to examine the transformation of European towns between A.D. 400 and 1600. The character of towns as central places and urban settlements changed radically in Europe, both reflecting and initiating changes in the contemporary societies which created them. Themes include: urban identities and lifestyles; rural hinterlands; local and international exchange networks; Late Antique, Frankish, Anglo-Saxon and Islamic European towns, and towns of the Viking Age and later Middle Ages.

History 1150. The Jews in Muslim and Christian Spain

Catalog Number: 5331

Bernard Septimus

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

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



[*History 1166. Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period: Reading Seminar]

Catalog Number: 2725 Enrollment: Limited to 12.

Steven Ozment and Angeliki E. Laiou

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

Reading and discussion of major sources and studies illustrative of the development of family life in the Byzantine Empire and in medieval and early modern Western Europe, in a comparative perspective. Attention will be given to important historiographical controversies and to a variety of national traditions.

Note: Expected to be given in 2008–09.

***History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Reading Seminar**

Catalog Number: 6078 Enrollment: Limited to 12.

Angeliki E. Laiou

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Byzantine society from the time of the Iconoclastic controversy through centuries of successful imperial rule and until the conquest of Constantinople by the participants of the Fourth Crusade. Topics will include state ideology and diplomacy, social structure, the formation of the aristocracy, the economy, urban and rural life, the role of women, relations with Western Europe and the Muslim world, art and culture. Considerable emphasis will be given to primary sources.

Cross-listed Courses

Celtic 107. Early Irish History

Celtic 151. The Literature of Medieval Celtic Christianity

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

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

[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 2101. Medieval Societies and Cultures: Proseminar]

Catalog Number: 6693

Daniel L. Smail

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

Introduction to the study of medieval history and to the literature basic to the examination field. Readings include both canonical works as well as recent studies. Though designed for specialists in medieval European history, the course welcomes all non-specialists interested in exploring large issues of comparative history and chronological depth.

Note: Expected to be given in 2008–09. 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 2120. Problems in Byzantine History: Proseminar**

Catalog Number: 9720

Angeliki E. Laiou

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

Graduate colloquium for students preparing for general examinations in Byzantine history. Focus on major issues and historiographical debates, 4th-12th century.

Note: May not be credited as a research seminar.

Prerequisite: Reading knowledge of French or German.

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 2101 and or MS 101.

[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 2008–09.

History 2126. Medieval Law

Catalog Number: 3140

Charles Donahue, Jr. (Law School)

Half course (spring term). Tu., 4:45–6:45. EXAM GROUP: 18

Readings focused alternately on English legal tradition and on the Roman-canonical tradition. Short papers analyzing texts will be required but not a research paper. Topics for 2007-08: the Roman-canonical tradition.

Prerequisite: Some Latin required.

History 2271r. Topics in Byzantine History: Seminar

Catalog Number: 3868

Angeliki E. Laiou

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Topic to be announced.

Prerequisite: Reading knowledge of Greek, Ancient or Medieval, French and/or German.



Early and Modern Europe

For Undergraduates and Graduates

***History 1309. History in Early Modern Europe: Research Seminar**

Catalog Number: 6583 Enrollment: Limited to 15.

Ann M. Blair (on leave spring term)

Half course (fall term). Tu., 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 1338. The English Revolution: Research Seminar] - (New Course)

Catalog Number: 0296 Enrollment: Limited to 15.

Mark A. Kishlansky

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

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.

Note: Expected to be given in 2008–09.

***History 1339. Anglo-American Constitutional History 1603-1787: Reading Seminar - (New Course)**

Catalog Number: 8660 Enrollment: Limited to 12.

David Smith 5904

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

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.

***History 1341. Journeys to the Other Shore: Cross-Cultural Encounters in the Mediterranean, 1200-1600: Reading Seminar - (New Course)**

Catalog Number: 9714 Enrollment: Limited to 12.

Elizabeth Walker Mellyn 5902

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

This course explores the history of the Mediterranean world from 1200 to 1600 through interactions among the diverse peoples of its societies and cultures. By examining texts of pilgrimage, trade, diplomacy and war we will complicate the categories of "East" and "West."



Our study concludes with the gradual shift of political and economic power from southern Europe and the Mediterranean to northern Europe and the Atlantic.

***History 1344. Early Modern Europe, 1400-1750: Reading Seminar - (New Course)**

Catalog Number: 6819 Enrollment: Limited to 12.

Adam Gregory Beaver 5792

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

This course's approach to the history of Early Modern Europe incorporates both traditional and new perspectives, investigating the classic debates while also exploring cutting edge methodologies and concerns. Alongside the grand narratives of the Renaissance and religious reformations that help to organize the period as a whole, we will investigate topics such as urban sociability, gender and sexuality, popular culture, and the fringes of intellectual and social life.

***History 1411. The History of Economic Thought Since 1750: Research Seminar**

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, looking at 18th century laissez-faire political economy, and at late 19th century economists and social reformers. 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 1413. The Evangelical Tradition, c. 1700-2000 - (New Course)

Catalog Number: 5888

David Hempton (Divinity School)

Half course (fall term). M., W., at 11, plus hour to be arranged. EXAM GROUP: 4

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 1414. The Expansion of Christendom: Global Christianity, c. 1650-1830 - (New Course)

Catalog Number: 2392

David Hempton (Divinity School)

Half course (spring term). M., W., at 11, plus hour to be arranged. EXAM GROUP: 4

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 1418. Political Justice Since 1789: Research Seminar]

Catalog Number: 3904 Enrollment: Limited to 15.

Charles S. Maier

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

Examines selected trials and debates, and some comparative and theoretical material, to open up key problems in recent history as well as general legal and moral issues.

Note: Expected to be given in 2008–09.

History 1421. Ireland 1689-1922 - (New Course)

Catalog Number: 1974

Gerard James Livesey (University of Sussex)

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

A general survey of the history of Modern Ireland looking at the transformation of the island across three centuries. Will examine the creation of cultural and religious communities in the eighteenth century, the problem of political violence, the creativity of cultural history and the distinctive dynamics of Irish society and conclude with an approach to the Irish revolution.

History 1422. The World of the French Revolution - (New Course)

Catalog Number: 1183

Gerard James Livesey (University of Sussex)

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

The French Revolution is one of the most fascinating and formative episodes in European history. This course will cover the full range of the Revolution from its origins, through the Terror to the Napoleonic coup. In our exploration of the Revolution, we consider the origins of political feminism, alternative market economies, the political novel, colonial insurrection, counter-revolution, the British reaction, Jacobins and sans culottes, and the structure of political terror.

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

***History 1423. Democracy and Liberalism in France 1789-2007: Reading Seminar - (New Course)**

Catalog Number: 0392 Enrollment: Limited to 12.

Gerard James Livesey (University of Sussex)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Will investigate the French democratic tradition, and will read and interrogate the basic documents and incidents that shaped the French commitment to popular sovereignty. Will work with the literature on the Declaration of the Rights of Man, socialism and democracy in the nineteenth century, the Dreyfus Affair, popular mobilization in the First World War, the Algerian conflict, the May events of 1968 and the current tensions between altermondialistes and the mainstream socialist tradition.

History 1424. Britain Since 1760: Island, Europe, Empire - (New Course)

Catalog Number: 2630

Maya Jasanoff

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



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.

***History 1425. The Rise of the British Empire, 1757-1857: Reading Seminar - (New Course)**

Catalog Number: 8040 Enrollment: Limited to 12.

Maya Jasanoff 5877 (on leave spring term)

Half course (fall term). M., 1-3. EXAM GROUP: 6, 7

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.

***History 1426. On Display: Commemoration, Collection and Public Spaces (c. 1600-2000): Reading Seminar - (New Course)**

Catalog Number: 9970 Enrollment: Limited to 12.

Rachel L. Greenblatt

Half course (spring term). Th., 1-3. EXAM GROUP: 15, 16

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.

History 1427. Women's Voices in Medieval and Early Modern Europe - (New Course)

Catalog Number: 7597

Rachel L. Greenblatt

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

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 1443. Peter Paul Rubens (1577-1640), Scholar, Diplomat, Artist: Research Seminar**

Catalog Number: 4061 Enrollment: Limited to 15.

Ivan Gaskell 3174

Half course (fall term). Th., 2-4. EXAM GROUP: 16, 17

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.

***History 1444. John Locke: Research Seminar**

Catalog Number: 6655 Enrollment: Limited to 15.

David R. Armitage

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A comprehensive survey of the work of the philosopher and political theorist John Locke in historical context. Treats major works including the “Essay Concerning Human Understanding,” the “Two Treatises of Government,” “A Letter Concerning Toleration,” “Some Thoughts Concerning Education,” and “The Reasonableness of Christianity.”

[*History 1446. Fin-de-Siècle Vienna: Research Seminar]

Catalog Number: 1471 Enrollment: Limited to 15.

Alison F. Frank (on leave 2007-08)

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

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.

Note: Expected to be given in 2008–09.

[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 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1450. France 1500-1715]

Catalog Number: 7575

Ann M. Blair

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

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, Robert Darnton among the secondary sources.

Note: Expected to be given in 2008–09. All assignments in English. An optional extra French-language reading section will be arranged in case of interest.

[History 1456. Central Europe, 1789-1918: Empires, Nations, States]

Catalog Number: 3736

Alison F. Frank

Half course (fall 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 2008–09.

History 1458. “French Modern”, 1848-Present

Catalog Number: 5919

Judith Surkis

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

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.

[*History 1459. Gender and Sexuality in Modern Europe: Research Seminar]

Catalog Number: 1562 Enrollment: Limited to 15.

Judith Surkis (on leave spring term)

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

Examines the social organization and cultural construction of gender and sexuality in modern Europe from 1789. Major focus on France, Britain, and German-speaking countries, in both metropolitan and imperial contexts. Particular attention will be paid to how normative concepts of femininity and masculinity play a role in the legitimization of social and political order as well as in attempts to effect and respond to social change.

Note: Expected to be given in 2008–09.

[*History 1460. French History through French Literature: Reading Seminar]

Catalog Number: 5038 Enrollment: Limited to 12.

Patrice Higonnet (on leave 2007-08)

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

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.

Note: Expected to be given in 2009–10.



[*History 1463. Paris From the French Revolution Through the 19th Century: Reading Seminar]

Catalog Number: 6355 Enrollment: Limited to 12.

Patrice Higonnet (on leave 2007-08)

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

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: Expected to be given in 2008–09.

[*History 1466. Vichy France: Research Seminar]

Catalog Number: 8154 Enrollment: Limited to 15.

Patrice Higonnet 2730 (on leave 2007-08)

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

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.

Note: Expected to be given in 2009–10. Students interested in this course should contact Professor Higonnet at higonnet@fas.harvard.edu. Films will be shown weekly.

History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism

Catalog Number: 7131

Peter E. Gordon

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 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 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 2009–10.

Prerequisite: History 1470; Social Studies 10; or a course in introductory philosophy or continental political theory.

[*History 1472. Epistemic Regimes: Research Seminar]

Catalog Number: 6425 Enrollment: Limited to 15.



Peter E. Gordon

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

Will address the now-prevalent idea that reality is a 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 natural science or social experience may admit of variation and structural transformation over time. Topics and authors include: Foucault, Heidegger, Latour, Sokal, Hacking, Poovey, Shapin, Cervantes, and the film trilogy, *The Matrix*.

Note: Expected to be given in 2008–09.

Prerequisite: One of the following: History 1470, Social Studies 10, French Social Thought, American Social Thought or one course in epistemology Philosophy.

***History 1474. Republics and Republicanism: Research Seminar**

Catalog Number: 2494 Enrollment: Limited to 20.

James Hankins and Harvey C. Mansfield

Half course (fall term). M., 4–6. EXAM GROUP: 9

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*, Tocqueville, and others.

***History 1479. Intellectuals and Auschwitz: Research Seminar - (New Course)**

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, Blanchot, Celan, Derrida, Jaspers, Jonas, and Levi.

[*History 1483. French Colonial Encounters: 1870's to Present: Research Seminar]

Catalog Number: 0461 Enrollment: Limited to 15.

Mary D. Lewis (on leave 2007-08)

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

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.

Note: Expected to be given in 2008–09.

Prerequisite: An introduction to French history recommended.

[History 1484. Europe Since World War II]

Catalog Number: 4588

Mary D. Lewis

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



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: Expected to be given in 2008–09. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

Prerequisite: History 10b recommended.

***History 1485. Weimar Intellectuals: Research Seminar**

Catalog Number: 7638 Enrollment: Limited to 15.

Peter E. Gordon

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Explores major intellectual currents of the Weimar Republic (1919-1933) to assess how German intellectuals negotiated the stresses of modernity. Thematic units: urbanism and anxiety; technophilia and technophobia; Marxism and utopia; and the crisis of the political. Authors include Simmel, Weber, Mann, Benjamin, Bloch, Kracauer, Spengler, Junger, Heidegger, and Schmitt.

Prerequisite: One course in modern European intellectual history, social or political theory, or modern German Literature.

[*History 1490. Max Weber in His Time: Research Seminar]

Catalog Number: 9550 Enrollment: Limited to 15.

David Blackbourn

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 2008–09.

***History 1491. Religion and Popular Culture in 19th-Century Europe: Reading Seminar**

Catalog Number: 6681 Enrollment: Limited to 12.

David Blackbourn

Half course (fall 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.

Note: Offered jointly with the Divinity School as 2265.



History 1497. Women, Gender, and Sexuality in Modern Europe - (New Course)

Catalog Number: 8089

Uta G. Poiger (University of Washington)

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

An introduction to European women's and men's changing social and political positions from the Enlightenment to the end of the cold war, paying particular attention to the relationship of gender and politics and to the body and sexuality. Topics include the French Revolution, bourgeois society, industrialization, imperialism, women's movements, sexology and psychoanalysis, fascism and war, the cold war, and decolonization.

***History 1498. Citizenship, Migration, and European Cultures Since 1945: Reading Seminar - (New Course)**

Catalog Number: 7630 Enrollment: Limited to 12.

Uta G. Poiger (University of Washington)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

An introduction to major contests about national belonging and "European culture" in the aftermath of war and genocide and in the context of the cold war, decolonization, globalization, and wars on terror. Topics include Displaced Persons and the postwar refugee crisis; reconstruction and Americanization; "Brown Babies" in postwar Europe; Jewishness after genocide; The Empire Talks Back; "Guestworkers"; the European Union; Islam in Europe.

History 1514. Early Modern Eastern Europe (1450-1795) - (New Course)

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 1529. East European Identities: Russia and Ukraine: Reading Seminar - (New Course)**

Catalog Number: 6477 Enrollment: Limited to 12.

Serhii Plokhii 4454

Half course (fall 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 1531. History of the Soviet Union, 1917-1991

Catalog Number: 4501

Benjamin Tromly



Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

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.

History 1541. The Russian Revolution - (New Course)

Catalog Number: 7581

Benjamin Tromly

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Examines revolutionary Russia including the transformation and collapse of the old regime, the revolutions of 1917, and the emergence of Bolshevik rule and the Stalinist dictatorship. Explores the connection between politics and social change, war and revolution, class and nation, as well as projects to transform society in the spheres of culture, religion, social identities and the family.

***History 1544. Stalinism: Research Seminar - (New Course)**

Catalog Number: 4417 Enrollment: Limited to 15.

Benjamin Tromly 5907

Half course (fall term). W., 2-4. EXAM GROUP: 7, 8

Introduction to historical debates and primary sources with particular attention to Stalin's personal dictatorship, uses of political violence, popular collaboration and resistance, nationality and empire, and popular belief and ideology.

Note: Reading knowledge of Russian not required.

***History 1545. Russian Intellectual Rebels, 1840-1991: Reading Seminar - (New Course)**

Catalog Number: 0130 Enrollment: Limited to 12.

Benjamin Tromly 5907

Half course (spring term). W., 2-4. EXAM GROUP: 7, 8

Examines the emergence of the Russian intelligentsia and its place in imperial society and the Russian nation, the roles of thinkers during the revolutionary period, the transformation of intellectuals and intellectual life after 1917, and the reemergence of intellectual dissent after Stalin's death. Discussion focuses on major writings of Russian intellectuals, as well as studies on intellectual dissent.

Note: Reading knowledge of Russian not required.

Cross-listed Courses

Celtic 107. Early Irish History

History and Literature 90b. Beauty and the Body - (New Course)

History and Literature 90e. Imperial Intimacies: Bodies and Cultures of Empire after 1800 - (New Course)

History and Literature 90f. The British Atlantic World - (New Course)

Italian 177. The Culture of Italian Emigration - (New Course)

Jewish Studies 135. Jewish-Arab Encounters: the Classical Age - (New Course)

Jewish Studies 143. Jews in the Modern World - (New Course)

Jewish Studies 153. Jews and Communism in Russia: 1880 to the Fall of the Soviet Union:



Seminar - (New Course)

[Slavic 169. 20th-Century Ukraine: Literature, Arts, and Society]

Slavic 196. Literature and Nationalism in Central Europe: Conference Course

Primarily for Graduates

History 2310. Problems in Late Medieval and Early Modern Europe 1250-1750: Seminar

Catalog Number: 9057

Steven Ozment

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Directed reading and writing in European politics, society, and culture. For field exam candidates, senior thesis writers, and graduate students writing dissertations.

Note: Open to advanced undergraduates with permission of instructor.

***History 2321. Methods in Book History: Seminar - (New Course)**

Catalog Number: 5169

Ann M. Blair and Leah Price

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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.

***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 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 2008–09.

History 2410. Ideas in Europe in the 18th Century: Seminar

Catalog Number: 1077

Emma Rothschild

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

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 2430. The British Empire Before 1800: Proseminar]

Catalog Number: 4452



David R. Armitage

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

History of the British Empire before 1800, with special emphasis on the Atlantic Ocean.

Note: Expected to be given in 2008–09.

[*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 2009–10.

Prerequisite: Reading Knowledge of either German, Polish, Czech, or another Central European language.

History 2450. The French Revolution: Seminar - (New Course)

Catalog Number: 6925

Gerard James Livesey (University of Sussex)

Half course (fall term). W., 4–6. EXAM GROUP: 9

Critically examines Revisionism in light of the revival of the social interpretation of the Revolution and novel post-revisionist currents.

History 2471. Heidegger and Technology: Seminar - (New Course)

Catalog Number: 1419

Peter E. Gordon and Peter L. Galison

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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: Offered jointly with History of Science 287.

***History 2473. Latin Texts of the Italian Renaissance: Proseminar**

Catalog Number: 0140

James Hankins

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 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 2480. The Scope of History: Seminar]

Catalog Number: 4804 Enrollment: Limited to 15.

Mary D. Lewis

Half course (fall 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 2008–09.

[History 2531. The Soviet Union: Seminar]

Catalog Number: 7969

Terry D. Martin

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

Introduction to archival and primary sources, as well as major historiographical debates. Primary focus on major research paper.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of Russian.

[History 2532. The Soviet Union: Proseminar]

Catalog Number: 2405

Terry D. Martin

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

Introduction to major debates in the historiography of the Soviet Union.

Note: Expected to be given in 2008–09.

Cross-listed Courses

[*English 259. Methods in Book History: Graduate Seminar - \(New Course\)](#)

[\[Historical Study A-27. Reason and Faith in the West\]](#)

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

[\[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences\]](#)

[\[Historical Study B-54. World War and Global Transformation in the 20th Century: World War II\]](#)

[History of Science 287. Heidegger and Technology: Seminar - \(New Course\)](#)

History of the United States

For Undergraduates and Graduates



[*History 1605. Early American Slave Revolts: Research Seminar]

Catalog Number: 4218 Enrollment: Limited to 15.

Vincent Brown 4638

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

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.

Note: Expected to be given in 2008–09.

History 1606. American Jewish History - (New Course)

Catalog Number: 4228

Jeffrey Gurock (Yeshiva University)

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

A survey of the social, economic, religious and political history of the Jews in the United States within the contexts of American and Jewish history from the Colonial period through the contemporary era.

***History 1609. The Social History of American Judaism: Research Seminar - (New Course)**

Catalog Number: 6122 Enrollment: Limited to 15.

Jeffrey Gurock (Yeshiva University) 5894 (fall term only)

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

American freedom and voluntarism have posed major challenges to the continuity of Judaism. How Jews have defined that challenge and attempted to reconcile, accommodate, or preserve unchanged their religious faith and practice in America will be the focus of this course. Topics include differing rabbinic and lay perceptions of social realities, issues of cooperation and competition among different Jewish movements, growth and development of religious institutions and their parallels within Christian society.

[*History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Research Seminar]

Catalog Number: 2479 Enrollment: Limited to 15.

Laurel Thatcher Ulrich (on leave spring term) and Ivan Gaskell

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

Using case studies drawn from the Artemas Ward House and other 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 2008–09.

***History 1612. African Diaspora in the Americas: Reading Seminar**

Catalog Number: 9564 Enrollment: Limited to 12.

Vincent Brown

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16



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 1615. The Nine Lives of Benjamin Franklin: Research Seminar**

Catalog Number: 6296 Enrollment: Limited to 15.

Joyce E. Chaplin

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 1622. Readings in the History of Slavery: Reading Seminar**

Catalog Number: 9361 Enrollment: Limited to 12.

Susan E. O'Donovan

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Awareness has grown of slavery's institutional role in national economic and political development. But the extent to which individual slaves were meaningful participants in this process of nation making remains an open question. By means of monographs, articles, and the occasional primary source, this course will investigate a still unfolding debate about slaves - as women, as men, as workers - and the extent to which they were agents of historical change.

History 1625. The American Civil War: Waging a War in History and Memory

Catalog Number: 7989

Susan E. O'Donovan

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

As much public as professional property, the Civil War has had many owners, it has assumed many shapes, and it has been put to many uses. Starting in the archives and ending in Hollywood, this course considers a range of those Civil Wars, their authors, and their meanings. Period accounts, fiction, film, and historians' interpretations will provide the basis for understanding the war's continued grip on the American imagination and on national political life.

[History 1629. Empire for Liberty: The US in the Nineteenth Century]

Catalog Number: 1940

Walter Johnson

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

This course treats the history of the nineteenth-century U.S. and the Civil War in light of the history of US imperialism, especially the War of 1812, the Mexican-American War, and the illegal invasions of Cuba and Nicaragua in the 1850s. Likewise, it relates the history of slavery in the United States to the Haitian Revolution, the Louisiana Purchase, Indian removal, Atlantic cotton, land and money markets, and the hemispheric history of antislavery.

Note: Expected to be given in 2008–09.



***History 1634. Southeast Asian Refugees and the US State: Reading Seminar - (New Course)**

Catalog Number: 1681 Enrollment: Limited to 12.

Eric Tang (University of Illinois, Chicago) 5906

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

This course surveys the history of Southeast Asian refugee resettlement to the US and the US state policies that have shaped that refugee sojourn. From the denouement of French colonialism, to the Vietnam War quagmire, to the creation of makeshift refugee camps in Southern California, to the resettlement of refugees in America's impoverished cities, the course traces the relationship between the U.S. state and the refugees from its long war in Southeast Asia.

***History 1635. Race and Race Relations Since Plessy: Research Seminar**

Catalog Number: 4172 Enrollment: Limited to 15.

Stephan Thernstrom

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

An examination of the changing position of African Americans in the US society since disenfranchisement and the creation of the Jim Crow system at the turn of the century. The nature of segregation; the civil rights movement; the crisis of the sixties; the Moynihan and Kerner reports; economic and social trends since the 1960s.

***History 1636. Public Opinion and American Democracy: Reading Seminar - (New Course)**

Catalog Number: 8339 Enrollment: Limited to 12.

Andrew Jewett 5878

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

Explores how Americans have understood the role of public opinion in their democracy since the founding period. Topics include the mobilization of nationalism in the Civil War, the Progressives' push for direct democracy, the growing use (and fear) of propaganda techniques, conflicts over free speech, the rise of opinion polling, the devaluation of political engagement during the Cold War, and the post-1960s renewal of emphasis on participatory democracy.

[History 1638. American Social History Since 1920]

Catalog Number: 5967

Stephan Thernstrom

Half course (spring term). Tu., Th., at 12.

An analysis of major social changes and continuities from the 1920s to the present. Emphasizes demographic change, economic development, the class structure, immigration, race relations, ethnicity, gender, and religion. Makes extensive use of social science methods and examines quantitative evidence. A major theme is the question of American "exceptionalism"--how the US resembles and differs from other advanced industrial societies.

Note: Expected to be given in 2008–09. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[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 2008–09.

[History 1641. History of the US West]

Catalog Number: 3887

Rachel St. John

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

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.

Note: Expected to be given in 2008–09.

[*History 1643. Civil War and Reconstruction: Research Seminar]

Catalog Number: 5156 Enrollment: Limited to 15.

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

This course will explore the American experience of Civil War and Reconstruction with attention to cultural, social, political, and military questions. Readings will include both primary and secondary texts. Students will be expected to participate actively in class discussions and to produce a substantial research paper.

Note: Expected to be given in 2009–10.

[*History 1644. Land of Opportunity? Social Class and Social Mobility in Modern American History: Reading Seminar] - (New Course)

Catalog Number: 2620 Enrollment: Limited to 12.

Stephan Thernstrom

Half course (spring term). W., 2–4.

An introduction to the study of social stratification in the 19th and 20th century US. The many meanings of "class"; migration and social mobility; the role of education, including elite colleges and universities; ethnic and racial differences in mobility rates and avenues; the alleged rise in economic inequality since the 1960s; poverty and the "underclass"; American values and the issue of American exceptionalism.

Note: Expected to be given in 2008–09.

***History 1645. History of American Immigration: Reading Seminar**

Catalog Number: 7280 Enrollment: Limited to 12.

Stephan Thernstrom

Half course (fall term). W., 4–6. EXAM GROUP: 9

Analysis of the immigration waves that have shaped the American population from colonial



times to the present. The causes of international migration; shifting American attitudes toward immigrants; US immigration policy; the economic and social adjustment of newcomers; the Melting Pot vs. cultural pluralism.

History 1646. Consumption in the United States: From Wedgwood to Wal-Mart - (New Course)

Catalog Number: 1306

Louis Roland Hyman

Half course (spring term). M., W., at 2. EXAM GROUP: 7

Whether buying at a general store, shopping at a department store, or loitering at a mall, consumption has always formed an important part of the American experience. More than just commodities bought and sold, consumption is also about the institutions, social practices, cultural meanings, and economic functions that have surrounded the merchandise. This course will look at the changing meanings consumption has had for life, politics, and economy in the US over the past 300 years.

***History 1647. Labor and Business in American History: Reading Seminar - (New Course)**

Catalog Number: 6589 Enrollment: Limited to 12.

Louis Roland Hyman 5896

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Labor history and business history offer two distinct, and sometimes irreconcilable, interpretations of the economic past of the US. Rather than take one narrative as "correct" and the other as "incorrect," this course will use the interpretative differences of the two disciplines to explore how historians write history. Students will read foundational texts in both fields and will examine how each subgenre interprets the history of American political economy.

History 1648. The Rise and Fall of the Industrial United States - (New Course)

Catalog Number: 1052

Louis Roland Hyman

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

Industrialization and deindustrialization have defined the twentieth-century experience in the United States. This course traces the emergence of American industrialization, its global ascendance, and complicates its purported decline. Connecting high finance and insider politics with the everyday lives of factory workers and office managers, this course charts both the creation of Henry Ford's world and its undoing.

***History 1649. The History of the End of America: Research Seminar - (New Course)**

Catalog Number: 0261 Enrollment: Limited to 15.

Louis Roland Hyman 5896

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Even before the inception of the United States, the specter of the demise of the American way of life haunted Americans' imaginations. How has the imagination of America's end shaped politics and culture for the past three centuries? What do different doomsday scenarios reveal about the changing definitions of "America" over time? This research seminar will explore some of the different ways in which the future end of "America" has been imagined, encompassing millenarianism, class war, Martians, and other topics.



History 1650a. The United States in the World, to 1920

Catalog Number: 3435

Erez Manela

Half course (fall term). Tu., Th., at 11; Th., at 2; F., at 11. EXAM GROUP: 13

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.

History 1650b. The United States in the World, since 1920

Catalog Number: 4745

Erez Manela

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

American foreign relations since World War I. Topics include the world role of the supposedly isolated US in the interwar years, World War II, postwar “hegemony,” the Cold War, and political, economic, and cultural interaction between Americans and other peoples.

History 1652. Introduction to Asian American History - (New Course)

Catalog Number: 8214

Eric Tang (University of Illinois, Chicago)

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

This course is an introduction to the main political events and processes that define the Asian experience in the US, tracing theoretical concepts of race as they relate to the formation of a distinct Asian American political and cultural identity. Four broad historical periods are covered: nineteenth and early twentieth-century migration and labor; World War II and the ‘silent’ decade of the 1950s; new immigration and the rise of Asian American panethnicity; globalization.

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

***History 1653. The Asian American Radical Tradition: Reading Seminar - (New Course)**

Catalog Number: 6632 Enrollment: Limited to 12.

Eric Tang (University of Illinois, Chicago) 5906

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This course examines the ways in which Asian American struggles for racial justice, labor rights and citizenship equality have indelibly shaped US culture and politics from the mid-19th century to the present. While appreciating the specific political histories of diverse Asian ethnic groups in the US, the course highlights recurring political themes and modes of radical activism that connect different epochs and ethnic groups, pointing to the existence of a distinct Asian American radical tradition.

[*History 1655. Native American Identities: Research Seminar]

Catalog Number: 7019 Enrollment: Limited to 15.

Malinda Maynor Lowery 5320

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

Using readings in history, literature, anthropology, sociology, law and policy, and the arts, this conference course will explore how Native Americans define themselves to one another and to



non-Indians in local, personal, tribal, and national contexts.

Note: Expected to be given in 2008–09.

***History 1656. Harvard and Slavery: Research Seminar - (New Course)**

Catalog Number: 1778 Enrollment: Limited to 15.

Sven Beckert

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 1657. Native America: The East]

Catalog Number: 1723

Malinda Maynor Lowery

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

This survey course uses culture to analyze Native American history. Students will gain a deeper understanding of the oral and spiritual histories of Native people east of the Mississippi prior to the arrival of Columbus, why and how Native nations adapted to the European presence, and how colonial and US Indian policy developed through the late twentieth century.

Note: Expected to be given in 2008–09. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[History 1658. Native America: The West]

Catalog Number: 5296

Malinda Maynor Lowery

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

This survey course uses culture to analyze Native American history. Students will gain a deeper understanding of the oral and spiritual histories of Native people west of the Mississippi prior to the arrival of Columbus, why and how Native nations adapted to the European presence, and how colonial and US Indian policy developed through the late twentieth century.

Note: Expected to be given in 2008–09. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

***History 1659. Afro-Asian Encounters in the Modern World: Research Seminar - (New Course)**

Catalog Number: 5841 Enrollment: Limited to 15.

Eric Tang (University of Illinois, Chicago) 5906

Half course (spring term). W., 4–6. EXAM GROUP: 9

This course examines a long history of Black and Asian diasporic interactions focusing specifically, though not exclusively, on US-based encounters. Events range from "first contact" among Asians and Africans dating back to 1000 B.C.E., to the appearance of Asian migrant labor in the post-bellum South, to Asian American encounters with Black freedom movements, to the so-called Black-Asian conflicts of the postindustrial city. How is Black and Asian racial formation historically interlinked?



***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.

History 1663. Federal Indian Policy: 1700s to 1887 - (New Course)

Catalog Number: 8097

David Wilkins (University of Minnesota)

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

Examines the formulation, implementation, evolution and comparison of Indian policy from pre-colonial times to the beginnings of the allotment period in the late 1880s. Will analyze the major federal Indian policies, examine the view and attitudes of the policy-makers, and gauge the reactions of indigenous nations to those policies.

***History 1665. Indigenous Diplomacy in American History: Research Seminar - (New Course)**

Catalog Number: 7970 Enrollment: Limited to 15.

David Wilkins (University of Minnesota) 5970 (spring term only)

Half course (spring term). Th., 2–4.

Will cover the history of First Nation treaty-making; the legal and political status of Indian treaties, accords, agreements, and negotiated settlements; doctrines of interpretations of Indian diplomatic arrangements; and problem areas in indigenous/state diplomacy and ambiguous areas in treaty litigation that serve to distort the development of a cohesive body of law in this critical area.

***History 1667. The Northern Side of the Civil Rights Movement: Research Seminar - (New Course)**

Catalog Number: 8594 Enrollment: Limited to 15.

Evelyn Brooks Higginbotham

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

***History 1669. Gender in US History: Reading Seminar - (New Course)**

Catalog Number: 1673 Enrollment: Limited to 12.

Nancy F. Cott

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

[History 1672. The US in the 1960s]

Catalog Number: 5900

Lisa M. McGirr

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

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.

Note: Expected to be given in 2009–10.

[History 1676. Social Movements in the United States from Populism to the New Right]

Catalog Number: 4073

Lisa M. McGirr

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

Examines social movements in America from the late 19th century until today in an historical perspective. Topics include populism, temperance, suffrage and the labor movement, as well as civil rights activism and the student movement. Attention will also be given to right-wing movements in the 20th century such as the Ku Klux Klan and the New Right. Course will address the origins of these various social movements, their strategies and tactics, and successes and failures.

Note: Expected to be given in 2009–10.

***History 1679. Making America Modern: The US during the 1920s: Reading Seminar**

Catalog Number: 9496 Enrollment: Limited to 12.

Lisa M. McGirr 2543

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

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.”

[*History 1690. The US and Imperialism: Research Seminar]

Catalog Number: 7201 Enrollment: Limited to 15.

Erez Manela

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

Explores American ideas and practices of imperialism, and anti-imperialism, in the 20th century, and their impacts on societies abroad. Topics include the US as colonial power; imperialism and anti-imperialism in American visions of international order; interactions with European imperialism; and attitudes and policies on decolonization and “nation-building” during the Cold War.

Note: Expected to be given in 2009–10.

Cross-listed Courses



African and African American Studies 118. African American History from the Slave Trade to 1900

[Historical Study A-85. The United States since World War II]

[Historical Study A-86 (formerly History 1692). 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-49 (formerly History 1651). History of American Capitalism]

Religion 1468. Religion in America: From the Coming of the Europeans to the 1870s

Primarily for Graduates

History 2600. Readings in Colonial and Revolutionary America: Proseminar

Catalog Number: 9176

Joyce E. Chaplin

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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 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 2008–09.

Prerequisite: Permission of instructor.

[History 2602. Readings in the History of the US in the 19th Century: Proseminar]

Catalog Number: 2383 Enrollment: Limited to 12.

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

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.

Note: Expected to be given in 2008–09.

[History 2606 (formerly History 2606hf). Early American Social History: Seminar]

Catalog Number: 6049

Laurel Thatcher Ulrich

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

Research culminating in the production of a scholarly essay. Some prior knowledge of the period assumed.

Note: Expected to be given in 2009–10.

History 2607. Readings in the US in the 20th Century: Proseminar

Catalog Number: 2931



Lisa M. McGirr

Half course (fall 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.

[History 2610. Race in Early America: Status, Identity, and Power: Seminar]

Catalog Number: 9276 Enrollment: Limited to 15.

Joyce E. Chaplin

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

A research seminar in American history in which each student will complete an article-length essay based on original research.

Note: Expected to be given in 2009–10.

[History 2616. The Art and Craft of Historical Writing: Seminar]

Catalog Number: 4655

Jill M. Lepore

Half course (fall 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 2008–09.

[History 2632. Slavery, Capitalism, and Imperialism in the 19th century United States: Seminar]

Catalog Number: 8558

Walter Johnson

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

Will illuminate the imperial dimensions of the history of the nineteenth-century US.

Note: Expected to be given in 2009–10.

[*History 2640hf. Workshop in 20th-Century US History]

Catalog Number: 0565

Lizabeth Cohen

Half course (throughout the year). Hours to be arranged.

Note: Expected to be given in 2008–09.

Prerequisite: For dissertation writers only. Permission of the instructor.

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.

History 2652hf. Politics and Social Movements in North America: Seminar - (New Course)

Catalog Number: 2204



Lisa M. McGirr

Half course (throughout the year). Hours to be arranged.

An interdisciplinary research workshop attached to the Charles Warren Center for Studies in American History, focused on examining the intersection between politics and social movements. We will explore how, when, and why various groups of Americans have collectively organized to press their claims and influence the political process, and, in turn, what influence social mobilization had on the state. The group will include resident fellows, graduate students and invited speakers. Student research will culminate in the production of a scholarly essay based on primary sources.

[History 2661. Graduate Readings in 20th-Century African-American History: Seminar]

Catalog Number: 9004

Evelyn Brooks Higginbotham

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

Covers key literature on themes and developments shaping the national experience of African Americans from Redemption to the emerging multi-racial Republic.

Note: Expected to be given in 2009–10.

[*History 2662 \(formerly *History 2662hf\). Readings in American Thought](#)

Catalog Number: 8845 Enrollment: Limited to 20.

James T. Kloppenberg

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

An examination of classic and contemporary histories of American thought.

[History 2664. Race and African-American Intellectual History: Seminar](#)

Catalog Number: 6804

Evelyn Brooks Higginbotham

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A research seminar in African-American intellectual history.

[History 2665. Topics in the History of Atlantic Slavery: Seminar - \(New Course\)](#)

Catalog Number: 4231

Vincent Brown

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

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](#)



History of Latin America

For Undergraduates and Graduates

***History 1745. Major Problems of Colombian History, 1400-2008: Reading Seminar**

Catalog Number: 0100 Enrollment: Limited to 12.

John Womack, Jr.

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Focus on Latin America's most diversely divided country, from the first native chiefdoms to the current civil wars. Topics include historical geography, empire, class and cultural conflicts, progress and control, imperialism, god(s), the devil(s), politics, guns, drugs, cash, and revolution. *Prerequisite:* History 1757 and/or 1759 helpful, but not required.

[*History 1746. Contestation, Rebellion, and Revolution in Brazil and Spanish South America (1770-1808): Research Seminar]

Catalog Number: 8945 Enrollment: Limited to 15.

Kenneth R. Maxwell

Half course (spring term). M., 3–5.

A comparative examination of Brazil and the Andes in the two decades before independence. This course will explore the diverse forms of contestation in South America between 1770 and 1808. For Brazil this will involve the several pre-independence conspiracies, and for Spanish America the Rebellions in the Andes. The seminar will focus on the intellectual articulation of these movements and well as their social and economic roots.

Note: Expected to be given in 2008–09.

History 1749. Turning Points in Brazilian History: From Cabral to Lula

Catalog Number: 6818

Kenneth R. Maxwell

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

The course will begin with a discussion of Brazil led by the union organizer Lula. From an examination of the present it will look back to critical moments in the formation of Brazilian society. Each episode will be examined both in terms of its Atlantic or global dimension as well as within its domestic national context.

***History 1750. Brazil Between Revolutions, 1776-1789: Research Seminar**

Catalog Number: 5510 Enrollment: Limited to 15.

Kenneth R. Maxwell

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Will focus on the period between the American declaration of independence to the French revolution, and the impact of events in North America on proto-nationalist movements in Brazil, particularly on the Minas Conspiracy of 1788-1789. Will assume prior knowledge of Latin American, European and US history of this period, as well as language skills in Portuguese, Spanish and French.

[History 1757. History of Latin America to 1825]

Catalog Number: 5991



Kenneth R. Maxwell

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

Although the course will be organized chronologically, it will focus on distinctive historical turning points and seek to explain how and why distinctive societies developed in the region over the colonial centuries. The lectures will also delineate the ways colonial Latin America was connected into Atlantic and global developments between 1492 and 1825. It will not seek to provide a comprehensive survey of all aspects of colonial Latin American history in a traditional sense.

Note: Expected to be given in 2008–09.

History 1759. The History of Latin America, 1914-2008

Catalog Number: 7328

John Womack, Jr.

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

A survey of Latin American societies and politics, from World War I to the present, with emphasis on the conjunction of global and internal changes to explain economic developments and social and political struggles for power, justice, progress, and security.

Cross-listed Courses

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

Primarily for Graduates

***History 2781. The History of Industry and Industrial Labor in Mexico: Seminar**

Catalog Number: 5731 Enrollment: Limited to 12.

John Womack, Jr.

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Topics for 2007-2008: Industrial development, mainly mining, sugar, and textiles; industrial labor markets and industrial work; industrial and technical divisions of labor and strategic positions; their consequences in modern Mexican economic, social, and political history.

Prerequisite: History 1757, 1758, and 1759 helpful, but not required.

***History 2783. Readings in Latin American History: Proseminar - (New Course)**

Catalog Number: 3369 Enrollment: Limited to 12.

John Womack, Jr.

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

Graduate exploration of various areas of Latin American history, primarily for students preparing for general examinations in these fields, before or after 1810.

History of Asia, Africa, and Australasia

For Undergraduates and Graduates



History 1820. Premodern Vietnam

Catalog Number: 4581

Hue-Tam Ho Tai

Half course (fall term). Tu., Th., at 2. EXAM GROUP: 16

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 1821. Modern Vietnam]

Catalog Number: 8192

Hue-Tam Ho Tai

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

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.

Note: Expected to be given in 2008–09.

***History 1828. Christianity and Chinese Society: Research Seminar**

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.

History 1837. China's Foreign Affairs: Tradition and Transformation - (New Course)

Catalog Number: 9744

Xiaoyuan Liu (Iowa State University)

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

This course traces the evolution of China's external affairs from antiquity to our own time. It explores imperial systems of frontier and maritime relations and their transformation, in modern times, to the "foreign relations" of a modern nation-state.

[History 1838. China and the Cold War] - (New Course)

Catalog Number: 5994

Xiaoyuan Liu (Iowa State University)

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

How did China shape, and how was China shaped by, the Cold War? This course interprets China's involvement in the Cold War in a larger historical context of the country's modern transformation. It examines China's role in Cold-War conflicts in the Asia-Pacific region; a series of crises along China's Inner Asian frontiers; and the deepening internalization of the Cold



War in China's domestic politics.

Note: Expected to be given in 2008–09.

***History 1839. Ethnic Conflict in Twentieth-Century China: Research Seminar - (New Course)**

Catalog Number: 0408 Enrollment: Limited to 15.

Xiaoyuan Liu (Iowa State University) 5879

Half course (fall term). W., 4–6. EXAM GROUP: 9

Explores the conflicts between a centralizing Chinese nationalism and separatist ethnonationalist movements in twentieth-century China. Participants of the class read and discuss scholarship on three major ethnopolitical events -Mongolian independence, the Eastern Turkestan Republic of Xinjiang, and the Tibetan rebellion.

History 1847. Australia Old and New - (New Course)

Catalog Number: 7214

Stuart Macintyre (University of Melbourne)

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

Examines the history of Australia from European settlement to the present, with particular emphasis on the dynamics of a settler society that transferred European people, technology, culture and institutions to a distant island-continent, and reworked them into distinctive new forms. Treats Australian history in a comparative framework; invites comparisons with American experience.

***History 1848. Controversies in Australian History: Reading Seminar - (New Course)**

Catalog Number: 7395 Enrollment: Limited to 12.

Stuart F. Macintyre 6011

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Will examine episodes in the Australian past that gave rise to heated argument and exposed important divisions. Will consider the way these controversies have been remembered and used as reference points in contemporary discussion.

[History 1851. 20th-Century Japan]

Catalog Number: 8696

Andrew Gordon

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

Japan's emergence as a world power and the Japanese experience of modernity. 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. From the 1980s boom to the 1990s bust; the early end to the Japanese century?

Note: Expected to be given in 2009–10. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

History 1857 (formerly Historical Study B-67). Japan's Modern Revolution - (New Course)

Catalog Number: 0946

Ian J. Miller

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



This course invites you to participate in the great events and debates that defined Japan's emergence as a modern nation-state. The course is based on readings in translation of historical texts. You will be asked to engage these texts with an eye to constructive criticism and analysis.

***History 1858. Japanese Imperialism: Reading Seminar - (New Course)**

Catalog Number: 6688 Enrollment: Limited to 12.

Ian J. Miller 5880

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

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.

History 1874. The Middle East During the First Wave of Modern Globalization, 1870-1925

Catalog Number: 2291

E. Roger Owen

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

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 1877a. History of the Near East, 600-1055

Catalog Number: 1770

Roy Mottahedeh

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

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.

[*History 1877b. History of the Near East, 1055-1517: Reading Seminar]

Catalog Number: 3026 Enrollment: Limited to 12.

Roy Mottahedeh (on leave spring term)

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

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.

Note: Expected to be given in 2008–09.

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., at 11. EXAM GROUP: 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.

[History 1878b. Ottoman State and Society II (1550-1920)]

Catalog Number: 6470

Cemal Kafadar

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

Surveys the transformations of the classical Ottoman order in the Middle East and southeastern Europe until the demise of the state. Topics include decentralization; social disturbances; the impact of the new world economy and new trade routes; reforms; changing relations with Europe; nationalist movements; 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 2008–09.

***History 1887. Modern Iran: A Historical Overview: Research Seminar - (New Course)**

Catalog Number: 0706 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Starting with the 1979 revolution, this course journeys back in time to offer an overview of modern Iranian history.

History 1890b. The Economic History of the Middle East Since World War II

Catalog Number: 1249

E. Roger Owen

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

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

***History 1895. The Indian Ocean in Comparative Perspective: Research Seminar**

Catalog Number: 8123 Enrollment: Limited to 15.

Sugata Bose

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

***History 1900. Islam in Sub-Saharan Africa, 630 C.E. to the Present: Reading Seminar - (New Course)**

Catalog Number: 2923 Enrollment: Limited to 12.

Emmanuel K. Akyeampong

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Explores in some detail main themes in the history of Islam in sub-Saharan Africa. Examines the form and content of Islamic belief and practice as conceived by Muhammad; Islam in sub-Saharan Africa; Islam, trade, and state formation; the West African jihads; Islam under colonial rule; Islam and gender; and Islamism and the engagement with modernity in contemporary Africa.

History 1906. West Africa from the Earliest Times to 1800

Catalog Number: 1425

Emmanuel K. Akyeampong

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

Explores important themes in West African history: ecology and environmental changes; the introduction of agriculture and the emergence of sedentary societies; the trans-Saharan trade; the introduction and spread of Islam; migrations, and the formation of states; African slavery; the trans-Atlantic trade; and the spread of informal European influence. Also examines the sources and methods used in the reconstruction of West African history in the period under study.

[History 1907. West Africa from 1800 to the Present]

Catalog Number: 4650

Emmanuel K. Akyeampong

Half course (spring 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 2008–09. This course, when taken for a letter grade, meets the Core area requirement for Historical Study A.

[*History 1912. Health, Disease, and Ecology in African History: Research Seminar]

Catalog Number: 5905 Enrollment: Limited to 15.

Emmanuel K. Akyeampong 3421

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 2008–09.

Prerequisite: Senior level undergraduate course.



[*History 1916. British Colonial Violence in the 20th Century: Research Seminar]

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 2009–10.

[*History 1917. Human Rights in Africa: An Historical Perspective: Research Seminar]

Catalog Number: 4514 Enrollment: Limited to 15.

Caroline M. Elkins

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

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.

Note: Expected to be given in 2008–09.

Cross-listed Courses

[Chinese History 113. Society and Culture of Late Imperial China](#)

[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 Asian Global History](#)

[Historical Study B-52. Slavery and Slave Trade in Africa and the Americas](#)

[\[Historical Study B-68. America and Vietnam: 1945-1975\]](#)

[\[Islamic Civilizations 145. Introduction to Islamic Philosophy and Theology\]](#)

[\[Japanese History 111b. The Shogun's Realm, 1600-1868\]](#)

[\[Korean History 111. Traditional Korea\]](#)

[\[Literature and Arts C-40. The Chinese Literati\]](#)

[\[Literature and Arts C-42. Constructing the Samurai\]](#)

[Near Eastern Civilizations 193. From Baghdad to Isfahan: Classical Sciences in Persian](#)

[Lands - \(New Course\)](#)

[Persian 150r. Readings in Persian Historians, Geographers and Biographers](#)

Primarily for Graduates

[History 2822. Readings on the 1949 Revolution in China: Seminar](#)

Catalog Number: 0617

Henrietta Harrison



Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This course examines the social history of the period from 1948 to 1953. It also provides an introduction to reading and translating materials for modern Chinese history including newspapers, memoirs, diaries, and government documents.

Note: Open to qualified undergraduates.

Prerequisite: Reading knowledge of Chinese.

History 2823. Readings in Modern Chinese History: Proseminar - (New Course)

Catalog Number: 3460

Henrietta Harrison

Half course (fall term). F., 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 2837. China, Tibet, and the World in the Cold War Era: Seminar - (New Course)

Catalog Number: 8904

Xiaoyuan Liu (Iowa State University)

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

Considers the Chinese government's Tibetan policy after 1949 and consequent repercussions in China's foreign affairs in the Cold War era. Particular attention is placed on China's relations with India, the Soviet Union, and the United States.

[History 2848a. 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 reading and analysis of the major types of Chinese archival documents from the Qing period and after. Original materials are used, with the aim of preparing students to do doctoral research in China.

Note: Expected to be given in 2008–09. Open to qualified undergraduates with permission of instructor.

Prerequisite: Chinese 106b or equivalent training.

[History 2848b. Introduction to Archival Research in Chinese History: Seminar]

Catalog Number: 3522

Mark C. Elliott

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

Research papers relating to late imperial history prepared on the basis of original work in archival documents and other primary source materials.

Note: Expected to be given in 2008–09.

Prerequisite: History 2848a or equivalent.

***History 2851. Japanese History: Seminar**

Catalog Number: 5146 Enrollment: Limited to 15.

Mikael Adolphson, Ian Miller



Half course (fall term). W., 1–3. EXAM GROUP: 6, 7
Prerequisite: Reading knowledge of Japanese.

History 2853 (formerly History 2904). Historiography of Modern Japan: Proseminar - (New Course)

Catalog Number: 4442

Ian J. Miller

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A critical introduction to the historiography of modern Japan, with emphasis on placing English-language scholarship in comparative context and refining one's own approach to the past.

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). Th., 1–3. EXAM GROUP: 15, 16

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). Th., 1–4. EXAM GROUP: 15, 16, 17

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 (spring term). Hours to be arranged.

Topic to be announced.

Note: Expected to be given in 2008–09.

History 2887a. Debates in the Economic and Social History of the Middle East: Seminar

Catalog Number: 1352

E. Roger Owen

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

Major debates concerning analysis of modern economic and social transformation of the Middle



East including issues of class and community, popular movements, landed property, the impact colonialism and state/society relations.

[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.

Note: Expected to be given in 2008–09.

History 2892. Colonial and Post-Colonial Histories of South Asia: Seminar

Catalog Number: 8502

Sugata Bose

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Analyzes trends and debates in historical research and writing on colonial and post-colonial South Asia.

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). W., 3–5. EXAM GROUP: 8, 9

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.

History 2908. Sources, Methodology, and Themes in African History: Seminar

Catalog Number: 5861 Enrollment: Limited to 12.

Emmanuel K. Akyeampong

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

History 2909. Themes in Modern Sub-Saharan African History: Proseminar

Catalog Number: 5840 Enrollment: Limited to 14.

Caroline M. Elkins

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

Cross-listed Courses



Chinese History 235r (formerly Chinese History 235). Topics in Warring States History: Seminar

Chinese History 251. Confucian Ethics: Conference Course

***Korean 300. Reading and Research**

Korean History 230r. Readings in Premodern Korean History

Korean History 235r. Historical Research in Korea

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]

Historiography and Methodology

For Undergraduates and Graduates

***History 1942. The Historiography of Renaissance and Reformation Europe, 1450-1650: Reading Seminar**

Catalog Number: 5887 Enrollment: Limited to 12.

Steven Ozment

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

An introduction to 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.

History 1984. Understanding Democracy Through History

Catalog Number: 1517 Enrollment: Limited to 30.

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 or conditions have they contracted? Readings will include historical studies as well as comparative theoretical works.

Note: Offered jointly with the Kennedy School as API-703. This course may be lotteried.

***History 1986. Topics in International History: Reading Seminar - (New Course)**

Catalog Number: 0735 Enrollment: Limited to 24.

Erez Manela and Ernest R. May

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Introduces several major themes in modern international history.

Primarily for Graduates

History 2902. Studies in Tudor and Stuart History

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.

[*History 2904. Readings in Japanese History: Proseminar]

Catalog Number: 4041 Enrollment: Limited to 12.

Andrew Gordon

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

A graduate colloquium for students preparing for general examinations in modern Japanese history or interest in English-language historiography of modern Japan.

Note: Expected to be given in 2008–09.

[History 2912. What is History? Concepts, Practices, Critique: Seminar]

Catalog Number: 4766

Afsaneh Najmabadi and Judith Surkis

Half course (fall 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 2008–09.

History 2915. History and Economics: Proseminar - (New Course)

Catalog Number: 1557

Emma Rothschild

Half course (spring term). W., 4–6. EXAM GROUP: 9

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.

History 2920. Readings in Gender History: Seminar - (New Course)

Catalog Number: 0882

Nancy F. Cott

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

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 U.S. history, but including some European and Latin American comparison.

Cross-listed Courses

Economics 2333. Historical Perspectives on Current Economic Issues

[Sociology 225. Historical Sociology: Studying Continuity and Change: Seminar]

Graduate Courses of Reading and Research



***History 3910. Writing History: Approaches and Practices**

Catalog Number: 1358

David R. Armitage and Caroline M. Elkins

Half course (fall term). M., 2–4.

Required of and limited to first-year doctoral students in History, HMES, and those students in EALC who choose the History specialization.

Global and Comparative History

For Undergraduates and Graduates

***History 1957. International Society: Research Seminar**

Catalog Number: 3056 Enrollment: Limited to 15.

Erez Manela

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

[*History 1958. Islam and Ethnicity: Research Seminar]

Catalog Number: 4023 Enrollment: Limited to 15.

Terry D. Martin (on leave 2007-08)

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

Examines the relationship between Islamic religious identity and ethnic identity in the Russian, Ottoman, and Indian empires and their successor states. Inquires into what extent Islam can substitute for, reinforce, or undermine ethnic identity based on theoretical and historical works.

Note: Expected to be given in 2008–09.

History 1961. International Financial History, 1700 to the Present - (New Course)

Catalog Number: 9661

Niall Ferguson

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

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.

***History 1963. Cold War Crises: Research Seminar**

Catalog Number: 6643 Enrollment: Limited to 15.

Ernest R. May

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

We focus on three crises of the Cold War: Berlin, 1948–49; Suez, 1956; and Berlin/Caribbean



missiles, 1961-62. Discussion compares not only the crises but types of historical sources and problems involved in analyzing collective memory.

***History 1964. International History: War, Peace, and International Organizations: Research Seminar**

Catalog Number: 7774 Enrollment: Limited to 20.

Niall Ferguson and Charles S. Maier

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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: 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. International History: States, Markets, and the Global Economy: Research Seminar**

Catalog Number: 7148 Enrollment: Limited to 20.

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.

[*History 1966. Oil, Energy, and the Environment: Research Seminar]

Catalog Number: 6450 Enrollment: Limited to 15.

Alison F. Frank (on leave 2007-08)

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

Considers the political, economic, environmental, social, and cultural interaction of human society with oil in the nineteenth and, primarily, twentieth centuries. Analyzes the extent to which oil is a global good, held accountable for war, poverty, and prosperity—and the ways in which oil industries are locally, regionally, and nationally colored. Major themes include the influence of oil on social structure, economic development, the physical environment, natural landscapes, national and regional identity, and gender relations.

Note: Expected to be given in 2008–09.

***History 1969. A Comparison of Religion in Europe and the United States, c. 1780-2000: Research Seminar - (New Course)**

Catalog Number: 6171 Enrollment: Limited to 15.

David Hempton (Divinity School)

Half course (spring term). W., 8–10.

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.

Primarily for Graduates

[History 2906. International History: Seminar]

Catalog Number: 0453

Erez Manela

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

Research seminar. Course will explore major approaches to the international and global history of the twentieth century, and the diverse historical sources that inform them. Topics include war, interstate relations, international society, globalization, and the environment.

Note: Expected to be given in 2009–10.

History 2911. Theories of International Relations: Seminar

Catalog Number: 6430

David R. Armitage

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

Cross-listed Courses

[*American Civilization 200 (formerly *American Civilization 370). Major Works in the History of American Civilization]

Graduate Courses of Reading and Research

***History 3000. Direction of Doctoral Dissertations**

Catalog Number: 4630

Mikael Adolphson 1878, Emmanuel K. Akyeampong 3421, David R. Armitage 5023, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackbourn 3203, Ann M. Blair 2467 (on leave spring term), Peter K. Bol 8014, Harold Bolitho 1176 (on leave 2007-08), Sugata Bose 3960, Vincent Brown 4638, Joyce E. Chaplin 1058, John H. Coatsworth 3248, Elizabeth Cohen 3627 (on leave 2007-08), Nancy F. Cott 4261, Albert M. Craig 1847, Caroline M. Elkins 3961, Drew Gilpin Faust 3857, Niall Ferguson 4938, Alison F. Frank 5313 (on leave 2007-08), Andrew Gordon 1891 (on leave 2007-08), Peter E. Gordon 3907, James Hankins 1239, Henrietta Harrison 5161, Rafael Meinardo Hernandez Rodriguez 5705, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730 (on leave 2007-08), Engseng Ho 3094 (on leave spring term), Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Walter Johnson 5616 (on leave 2007-08), Christopher P. Jones 3204, Cemal Kafadar 2459, Edward L. Keenan 1825 (on leave 2007-08), Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128 (on leave 2007-08), Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou



7282, Jill M. Lepore 4830 (on leave 2007-08), Mary D. Lewis 4369 (on leave 2007-08), Xiaoyuan Liu (Iowa State University) 5879 (spring term only), Malinda Maynor Lowery 5320, Charles S. Maier 7227, Erez Manela 4762, Terry D. Martin 2966 (on leave 2007-08), Kenneth R. Maxwell 5173, Ernest R. May 1817, Michael McCormick 2849, Lisa M. McGirr 2543, Roy Mottahedeh 1454 (on leave fall term), John E. Murdoch 1877 (on leave spring term), Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962, E. Roger Owen 1028, Steven Ozment 6197, Michael J. Puett 1227, Emma Rothschild 5001, Daniel L. Smail 5343 (on leave 2007-08) (spring term only), Rachel St. John 5328 (on leave 2007-08), Judith Surkis 4184 (on leave spring term), Roman Szporluk 3033, Hue-Tam Ho Tai 6079 (on leave spring term), Stephan Thernstrom 4141 (on leave spring term), Laurel Thatcher Ulrich 1886 (on leave spring term), John Womack, Jr. 1863, and James Wood 4720

***History 3010. Reading and Research**

Catalog Number: 3424

Emmanuel K. Akyeampong 3421, David R. Armitage 5023, Bernard Bailyn 1841, Sven Beckert 2415, Thomas N. Bisson 1451, David Blackbourn 3203, Ann M. Blair 2467 (on leave spring term), Peter K. Bol 8014, Harold Bolitho 1176 (on leave 2007-08), Sugata Bose 3960, Vincent Brown 4638, Elena I. Campbell 5287 (spring term only), Joyce E. Chaplin 1058, John H. Coatsworth 3248, Lizabeth Cohen 3627 (on leave 2007-08), Kathleen M. Coleman 2289, Nancy F. Cott 4261, Emma Dench 5243 (fall term only), Charles Donahue, Jr. (Law School) 2650, Carter J. Eckert 1178, Caroline M. Elkins 3961, Mark C. Elliott 3329, William L. Fash 1512, Drew Gilpin Faust 3857, Niall Ferguson 4938, Franco Fido 2446, Donald Fleming 1831, Alison F. Frank 5313 (on leave 2007-08), Ivan Gaskell 3174, Heidi Gengenbach 5314 (spring term only), Andrew Gordon 1891 (on leave 2007-08), Peter E. Gordon 3907, David D. Hall (Divinity School) 2510, James Hankins 1239, Jay M. Harris 2266, Henrietta Harrison 5161, Rafael Meinardo Hernandez Rodriguez 5705, Evelyn Brooks Higginbotham 3517, Patrice Higonnet 2730 (on leave 2007-08), Engseng Ho 3094 (on leave spring term), Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Maya Jasanoff 5877 (on leave spring term), Andrew Jewett 5878 (fall term only), Walter Johnson 5616 (on leave 2007-08), Christopher P. Jones 3204, Geoffrey Jones (Business School) 5105, Cemal Kafadar 2459, Edward L. Keenan 1825 (on leave 2007-08), Duncan M. Kennedy (Law School) 5346, Alexander Keyssar (Kennedy School) 4323, William C. Kirby 3128 (on leave 2007-08), Mark A. Kishlansky 2895, James T. Kloppenberg 3157, Philip A. Kuhn 8051, Angeliki E. Laiou 7282, Elisabeth L. Laskin 4712 (spring term only), Jill M. Lepore 4830 (on leave 2007-08), Mary D. Lewis 4369 (on leave 2007-08), Xiaoyuan Liu (Iowa State University) 5879, Gerard Livesey (University of Sussex) 2164, Malinda Maynor Lowery 5320, Nino Luraghi 2408 (on leave fall term), Charles S. Maier 7227, Erez Manela 4762, Terry D. Martin 2966 (on leave 2007-08), Kenneth R. Maxwell 5173, Ernest R. May 1817, Michael McCormick 2849, Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543, Ian J. Miller 5880, Roy Mottahedeh 1454 (on leave fall term), John E. Murdoch 1877 (on leave spring term), Afsaneh Najmabadi 4052, Susan E. O'Donovan 3962, Kelly A. O'Neill-Uzgiris 5881 (fall term only), Robert A. Orsi (Divinity School) 4242 (spring term only), E. Roger Owen 1028, Steven Ozment 6197, Orlando Patterson 1091, Richard Pipes 1827, Serhii Plokhii 4454, Michael J. Puett 1227, Emma Rothschild 5001, Sharmila Sen 2509, Daniel L. Smail 5343 (on leave 2007-08), Rachel St. John 5328 (on leave 2007-08), Ajantha Subramanian 4618 (spring term only), Judith Surkis 4184 (on leave spring term), Roman Szporluk 3033, Hue-Tam Ho Tai 6079 (on leave spring term), Stephan Thernstrom 4141 (on leave spring term), Laurel Thatcher



Ulrich 1886 (on leave spring term), John Womack, Jr. 1863, James Wood 4720, and Jan Ziolkowski 7275

Half course (fall term; repeated spring term). Fall: F., 1–3; Tu., 3–5; Spring: F., 1–3; Th., 2–4. 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, Department Chair of History and Literature (*Chair (on leave 2007-08)*)

Leah Price, Professor of English and American Literature and Language, Harvard College Professor, Acting Chair of the Committee on Degrees in History and Literature (*Acting 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, Henry Charles Lea Professor of History (*on leave spring term*)

Sugata Bose, Gardiner Professor of Oceanic History and Affairs

Lisa T. Brooks, Assistant Professor of History and Literature and of Folklore and Mythology (*on leave 2007-08*)

Janet Browne, Aramont Professor of the History of Science

Julie A. Buckler, Professor of Slavic Languages and Literatures

Lawrence Buell, Powell M. Cabot Professor of American Literature

Daniel G. Donoghue, John P. Marquand Professor of English (*on leave spring term*)

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature (*on leave fall term*)

Jeanne Follansbee Quinn, Lecturer on History and Literature

Virginie Greene, Professor of Romance Languages and Literatures, Harvard College Professor (*on leave 2007-08*)

Maya Jasanoff, Associate Professor of History (*on leave spring term*)

Walter Johnson, Professor of History and of African and African American Studies (*on leave 2007-08*)



James T. Kloppenberg, Charles Warren Professor of American History, Harvard College
Professor, Department Chair of History
Barbara K. Lewalski, William R. Kenan, Jr. Professor of History and Literature and of English Literature (*on leave spring term*)
Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave 2007-08*)
Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies
Judith Surkis, Associate Professor of History and of History and Literature (*on leave spring term*)

Affiliated Members of the Committee on Degrees in History and Literature

David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)
Helen Vendler, Arthur Kingsley Porter University Professor

Other Faculty Offering Instruction in the History and Literature Program

Seo-Young Jennie Chu, Lecturer on History and Literature
Nenita Ponce de Leon Elphick, Lecturer on History and Literature
Rena Fonseca, Lecturer on History and Literature
Sharon L. Howell, Lecturer on History and Literature
Emily Hudson, Lecturer on History and Literature
Joshua Humphreys, Lecturer on History and Literature
Melissa Shields Jenkins, Lecturer on History and Literature and Preceptor in Expository Writing
Aaron S. Lecklider, Lecturer on History and Literature
Max A. Likin, Lecturer on History and Literature
Stephanie M. Lin, Lecturer on History and Literature
Michele C. Martinez, Lecturer on History and Literature and on English
Maureen N. McLane, Lecturer on History and Literature
John C. McMillian, Lecturer on History and Literature, Tutor in Quincy House, Supervisor of the Quincy House Library, Preceptor in Expository Writing
Rani Neutill, Lecturer on History and Literature
Sharrona Pearl, Lecturer on History and Literature
Scott A. Sowerby, Lecturer on History and Literature
Uta G. Poiger, Visiting Associate Professor of History and of History and Literature (*University of Washington*)
Andrew John Romig, Teaching Assistant in History and Literature, Lecturer on History and Literature
Lindsay M. Silver, Lecturer on History and Literature
Amy L. Spellacy, Lecturer on History and Literature
Katherine Stebbins McCaffrey, Lecturer on History and Literature, Teaching Assistant in the Core Curriculum
John E. Tessitore, Lecturer on History and Literature
Deborah F. Weinstein, Lecturer on History and Literature
James Wilkinson, 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 - (New Course)

Catalog Number: 4863 Enrollment: Limited to 15.

Steven Biel

Half course (fall term). W., 2–4.

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 90b. Beauty and the Body - (New Course)

Catalog Number: 0908 Enrollment: Limited to 15.

Uta G. Poiger (University of Washington)

Half course (fall term). Tu., 2–4.

This seminar examines changing notions of beauty, and various bodily and sartorial practices used to achieve them, in the US and in German lands since the Enlightenment. Questions include: How have philosophers, scientists, novelists, visual artists, medical doctors, or photographers represented and categorized human bodies? Why have modernist art and social movements subverted ideals of beauty? How have debates over self-presentation related to political struggles such as Jewish emancipation, feminism, or black liberation?

History and Literature 90c. The Nadir of Civil Rights: Race in the US at the Turn of the Twentieth Century. - (New Course)

Catalog Number: 8564 Enrollment: Limited to 15.

Robin M. Bernstein

Half course (fall term). W., 2–4.

Historian Rayford Logan called the turn of the twentieth century a "nadir" in the status and civil rights of African Americans. This course complicates that claim by exploring US racial formation between a black-white binary and through both history and literature. We analyze literary and historical encounters between the US and China, Great Britain, the Philippines, the Canadian arctic, and the Kingdom of Hawaii. Throughout, we foreground resistance among colonized people of color.

History and Literature 90d. Epics and Empire - (New Course)

Catalog Number: 9687 Enrollment: Limited to 15.

Emily Hudson

Half course (fall term). M., 3–5.

Recent scholarship in epic studies has focused on the relationship between epic and empire to illuminate the political and ideological dimensions of the genre. This seminar will approach the topic of epic and empire through a consideration of the national epics of India, the Ramayana



and the Mahabharata. We will examine the formation of these epics as well as their contemporary interpretations, particularly with respect to the historical phenomena of imperialism, nationalism and globalization.

History and Literature 90e. Imperial Intimacies: Bodies and Cultures of Empire after 1800 - (New Course)

Catalog Number: 3818 Enrollment: Limited to 15.

Judith Surkis

Half course (fall term). Th., 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 European empires and select studies of the US.

History and Literature 90f. The British Atlantic World - (New Course)

Catalog Number: 0527 Enrollment: Limited to 15.

Scott A. Sowerby

Half course (fall term). W., 2–4.

Examines the literature and the history of the English-speaking societies of the North Atlantic basin from 1550 to 1800. Investigates the circulation and migration of peoples, ideas, and goods across oceans. Themes include exploration, identity and captivity. Sources include writings by Behn, Defoe, Equiano, Franklin, Shakespeare and Swift.

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 - (New Course)**

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

***English 90hv. Sex and Gender in Victorian Literature**

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 Professor of African and African American Studies
(*Chair*) (*on leave fall term*)

Sven Beckert, Professor of History

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 (*on leave 2007-08*)

Lawrence Buell, Powell M. Cabot Professor of American Literature

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History

Lizabeth Cohen, Howard Mumford Jones Professor of American Studies (*on leave 2007-08*)

Nancy F. Cott, Jonathan Trumbull Professor of American History

Margaret Lee Crawford, Professor of Urban Design and Planning Theory (*Design School*)

Christine Desan, Professor of Law (*Law School*)

Henry Louis Gates, Jr., Alphonse Fletcher, Jr. University Professor (*on leave spring term*)

David D. Hall, John A. Bartlett Professor of New England Church History (*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*)



Walter Johnson, Professor of History and of African and African American Studies (*on leave 2007-08*)

Robin E. Kelsey, John L. Loeb Associate Professor of the Humanities

Alexander Keyssar, Matthew W. Stirling, Jr. Professor of History and Social Policy (*Kennedy School*)

James T. Kloppenberg, Charles Warren Professor of American History, Harvard College Professor, Department Chair of History

Jill M. Lepore, David Woods Kemper '41 Professor of American History, Department Chair of History and Literature (*on leave 2007-08*)

Malinda Maynor Lowery, Assistant Professor of History

Louis Menand, Anne T. and Robert M. Bass Professor of English (*on leave 2007-08*)

Susan E. O'Donovan, Associate Professor of African and African American Studies and of History

Carol J. Oja, William Powell Mason Professor of Music

Julie A. Reuben, Professor of Education (*Education School*)

Jennifer L. Roberts, Gardner Cowles Associate Professor of History of Art and Architecture (*on leave 2007-08*)

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 (*on leave spring term*)

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

Rachel St. John, Assistant Professor of History (*on leave 2007-08*)

Jason W. Stevens, Assistant Professor of English (*on leave 2007-08*)

Laurel Thatcher Ulrich, 300th Anniversary University Professor (*on leave spring term*)

Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)

Other Faculty Offering Instruction in the History of American Civilization

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 (*on leave fall term*)

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*)

Joyce E. Chaplin, James Duncan Phillips Professor of Early American History

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Philip J. Fisher, Felice Crawl Reid Professor of English and American Literature, Harvard College Professor (*on leave spring term*)

William W. Fisher, Hale and Dorr Professor of Intellectual Property Law (*Law School*)

Donald Fleming, Jonathan Trumbull Professor of American History, Emeritus

Akira Iriye, Charles Warren Professor of American History, Emeritus, Charles Warren Research Professor of American History

Barbara E. Johnson, Fredric Wertham Professor of Law and Psychiatry in Society

Despina Kakoudaki (*on leave spring term*)

Thomas K. McCraw, Isidor Straus Professor of Business History (*Business School*)



Elisa New, Professor of English

Susan E. O'Donovan, Associate Professor of African and African American Studies and of History

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Maria Tatar, John L. Loeb Professor of Germanic Languages and Literatures and of Folklore and Mythology

Stephan Thernstrom, Winthrop Professor of History (*on leave spring term*)

Helen Vendler, Arthur Kingsley Porter University Professor

Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative 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

Walter Johnson

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

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 2008–09. 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

David D. Hall (Divinity School)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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, Allan M. Brandt 3031 (*on leave fall term*), Vincent Brown 4638 (*spring term only*), Lawrence Buell 2655, Joyce E. Chaplin 1058, Elizabeth Cohen 3627 (*on leave 2007-08*), Nancy F. Cott 4261, Margaret Lee Crawford (Design School) 3934, Bradley S. Epps 2880, Philip J. Fisher 1470 (*on leave spring term*), William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899 (*on leave spring term*), David D. Hall (Divinity



School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Andrew Jewett 5878 (spring term only), Barbara E. Johnson 7626, Walter Johnson 5616 (on leave 2007-08) (spring term only), Despina Kakoudaki 3979 (on leave spring term), Robin E. Kelsey 4132, Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157, Jill M. Lepore 4830 (on leave 2007-08), Thomas K. McCraw (Business School) 7371, Lisa M. McGirr 2543 (spring term only), Louis Menand 4752 (on leave 2007-08), Ingrid Monson 1591, 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 (on leave 2007-08), Tommie Shelby 3863 (spring term only), Marc Shell 3176 (fall term only), Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), Maria Tatar 3645, Stephan Thernstrom 4141 (on leave spring term), Laurel Thatcher Ulrich 1886 (on leave spring term), and Helen Vendler 7226

***American Civilization 399. Direction of Doctoral Dissertation**

Catalog Number: 8803

Sven Beckert 2415, Allan M. Brandt 3031 (on leave fall term), Lawrence Buell 2655, David L. Carrasco (FAS, Divinity School) 4213, Joyce E. Chaplin 1058, Lizabeth Cohen 3627 (on leave 2007-08), Nancy F. Cott 4261, Philip J. Fisher 1470 (on leave spring term), William W. Fisher (Law School) 4257, Donald Fleming 1831, Henry Louis Gates, Jr. 2899 (on leave spring term), David D. Hall (Divinity School) 2510, Evelyn Brooks Higginbotham 3517, Morton J. Horwitz (Law School) 6272, Akira Iriye 1968, Walter Johnson 5616 (on leave 2007-08), Despina Kakoudaki 3979 (on leave spring term), Alexander Keyssar (Kennedy School) 4323, James T. Kloppenberg 3157, Carrie Lambert-Beatty 5283 (on leave spring term) (fall term only), Jill M. Lepore 4830 (on leave 2007-08), Thomas K. McCraw (Business School) 7371, Louis Menand 4752 (on leave 2007-08), Carol J. Oja 4599, Robert A. Orsi (Divinity School) 4242, Julie A. Reuben (Education School) 4428, Jennifer L. Roberts 4407 (on leave 2007-08), Charles E. Rosenberg 3784, Marc Shell 3176, Werner Sollors 7424 (on leave spring term), John Stauffer 1006 (on leave fall term), John R. Stilgoe 8032, Stephan Thernstrom 4141 (on leave spring term), Laurel Thatcher Ulrich 1886 (on leave spring term), and Ruth R. Wisse 3177

Cross-listed Courses

[African and African American Studies 131. African-American Literature to the 1920s](#)

[*English 292. Issues in the Study of American Literature: Graduate Seminar](#)

[*Government 2305. American Government and Politics: Field Seminar](#)

[Government 2335. Power in American Society]

[Government 2392. American Political Ideologies](#)

[Historical Study A-84. American Constitutional History from the Framing to the Present](#)

[Historical Study A-85. The United States since World War II]

[Historical Study A-86 (formerly History 1692). Men and Women in Public and Private: the US in the 20th Century]

[Historical Study B-49 (formerly History 1651). History of American Capitalism]

[*History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Research Seminar]

[History 1629. Empire for Liberty: The US in the Nineteenth Century]

[*History 1661. Social Thought in Modern America](#)



[History 2600. Readings in Colonial and Revolutionary America: Proseminar](#)

[*History 2601. The US in the 20th Century: Seminar]

[History 2602. Readings in the History of the US in the 19th Century: Proseminar]

[History 2606 (formerly History 2606hf). Early American Social History: Seminar]

[History 2607. Readings in the US in the 20th Century: Proseminar](#)

[History 2610. Race in Early America: Status, Identity, and Power: Seminar]

[History 2616. The Art and Craft of Historical Writing: Seminar]

[*History 2640hf. Workshop in 20th-Century US History]

[History 2650hf. The Political Economy of Modern Capitalism: Seminar](#)

[History 2652hf. Politics and Social Movements in North America: Seminar - \(New Course\)](#)

[*History 2662 \(formerly *History 2662hf\). Readings in American Thought](#)

[History 2920. Readings in Gender History: Seminar - \(New Course\)](#)

[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 175s. Art and Science in Early America]

[History of Art and Architecture 197g. Colonial Art]

[*Literature 172 (formerly *Comparative Literature 172). Paralysis]

[Literature and Arts A-57. State and Nation: Languages in Conflict](#)

[Music 194rs. Special Topics: Proseminar](#)

[Music 218r. 20th-Century Music: Seminar](#)

[Religion 1439. The History of Christianity: An Introduction to Interpretive Issues]

[Religion 1468. Religion in America: From the Coming of the Europeans to the 1870s](#)

[Religion 2464. Radical Religion in England and America, 1550–1750: Seminar](#)

[Social Analysis 66. Race, Ethnicity, and Politics in the United States](#)

[Spanish 180. Cultural Agents in the Americas - \(New Course\)](#)

[Spanish 243. Foundational Fiction and Film](#)

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*) (on leave 2007-08)

Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art (*Acting Chair*)

Suzanne P. Blier, Allen Whitehill Clowes Professor of Fine Arts and Professor of African and African American Studies

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
 Robin Greeley, Visiting Associate Professor of History of Art and Architecture (*University of Connecticut*) (*fall term only*)
 Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture (*on leave 2007-08*)
 Robin E. Kelsey, John L. Loeb Associate Professor of the Humanities
 Joseph Koerner, Professor of History of Art and Architecture (*Director of Undergraduate Studies*)
 Ewa Lajer-Burcharth, Harvard College Professor and Professor of History of Art and Architecture
 Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies (*on leave spring term*)
 Neil Levine, Emmet Blakeney Gleason Professor of History of Art and Architecture (*on leave 2007-08*)
 Yukio Lippit, Assistant Professor of History of Art and Architecture
 David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)
 Lyvia Morgan, M.A. Willcomb Visiting Lecturer on Ancient Egyptian Civilization (*fall term only*)
 Gülru Necipoglu-Kafadar, Aga Khan Professor of Islamic Art
 Alina A. Payne, Professor of History of Art and Architecture
 Jennifer L. Roberts, Gardner Cowles Associate Professor of History of Art and Architecture (*on leave 2007-08*)
 Betsey A. Robinson, Assistant Professor of the Classics and of History of Art and Architecture
 David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History
 Jeroen Stumpel, Erasmus Lecturer on the History and Civilizations of the Netherlands and Flanders (*Instituut voor Kunstgeschiedenis en Muziekwetenschap*) (*fall term only*)
 Hugo van der Velden, Professor of History of Art and Architecture (*Director of Graduate Studies*)
 Cheng-hua Wang, Visiting Professor of History of Art and Architecture (*Institute of Modern History, Academia Sinica, Taipei*) (*spring term only*)
 Eugene Wang, Abby Aldrich Rockefeller Professor of Asian Art (*on leave 2007-08*)
 Irene J. Winter, William Dorr Boardman Professor of Fine Arts (*on leave 2007-08*)
 Gerhard Wolf, Lauro de Bosis Visiting Lecturer in the History of Italian Civilization (*Kunsthistorisches Institut, Florence*) (*spring term only*)
 Henri Zerner, Professor of History of Art and Architecture

Museum Associates Offering Instruction in the Department

Henry W. Lie, Lecturer on History of Art and Architecture (*Senior Conservator of Objects and Sculpture, Straus Center for Conservation, Harvard University Art Museums*)

Other Faculty Offering Instruction in the History of Art and Architecture

Melissa M. McCormick, John L. Loeb Associate Professor of the Humanities (*on leave spring term*)
 Antoine Picon, Professor of the History of Architecture and Technology (*Design School*)
 Gloria Ferrari Pinney, Professor of Classical Archaeology and Art, Emerita



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, drawing from such diverse cultures as Renaissance Italy, modern Europe and America, ancient Mesopotamia, sixteenth-century Persia, early modern Japan, sub-Saharan Africa, and Gothic France. Sections will highlight general themes in the analysis and interpretation of art and architecture.

Note: This course, when taken for a letter grade, meets the Core area requirement for Literature and Arts B. Expected to be given in 2008–09.

History of Art and Architecture 10. The Western Tradition: Art Since the Renaissance

Catalog Number: 4988

Henri Zerner

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

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 Core area requirement for Literature and Arts B.



History of Art and Architecture 12y. Introduction to Islamic Art: Visual and Portable Arts in Context

Catalog Number: 3235

David J. Roxburgh

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

Introduces key examples of the arts of the book, calligraphy, and portable arts between 650 and 1650 in the Islamic world, from the rise of Islam through to the pre-modern “Gunpowder Empires.” Objects are examined in light of their aesthetic, cultural, and political contexts. Themes include production and patronage; systems of object content and use; correspondences across media; and cross-cultural relationships of content and form. The selected materials are studied through a range of methodologies.

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia]

Catalog Number: 7382

Irene J. Winter

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

Survey of the art and archaeology of ancient Mesopotamia from Uruk through the Neo-Assyrian periods, charting the relationship between the arts and society from the earliest city-states to the beginnings of empire. Includes a survey of archaeological data as well as those art-historical approaches available for analysis of ancient monuments.

Note: Expected to be given in 2008–09.

[History of Art and Architecture 14k. Art, Faith and Power: Introduction to Early Christian and Byzantine Art]

Catalog Number: 9156

Ioli Kalavrezou

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

The course will focus on major moments in the history and politics from the age of Constantine I the Great to the Crusades.

Note: Expected to be given in 2008–09.

[History of Art and Architecture 14n. From the Carolingians to the Capetians: Topics in Medieval Art]

Catalog Number: 6451

Jeffrey F. Hamburger

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

An introduction to medieval art organized thematically, rather than chronologically, but ranging from Late Antiquity to the Reformation, including many media (architecture, murals, sculpture, stained glass, metalwork, manuscripts) and making maximum use of local collections. Topics include sacred space, nature and the supernatural, secular imagery, Passion piety, pilgrimage, propaganda, patronage, visions and visionaries, the Apocalypse and medieval conceptions of time and history.

Note: Expected to be given in 2008–09.



[History of Art and Architecture 17n. Modernism (pre, post, and anti-): 1848–1968]

Catalog Number: 2331

Benjamin Buchloh

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

The course introduces the complex and contradictory history of modernism in the visual arts of Europe and the US, focusing on central figures (e.g. Manet, Picasso, Duchamp, Warhol) and movements (e.g. Cubism, Dada, Soviet Avant-garde), as much as on the key concepts of that history. Lectures will emphasize the methodological diversity developed within recent art history to theorize and historicize Modernism. Readings will comprise key texts by artists, historians and critics.

Note: Expected to be given in 2008–09.

History of Art and Architecture 18k. Introduction to Japanese Art

Catalog Number: 7525

Melissa M. McCormick

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

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.

History of Art and Architecture 51p (formerly History of Art and Architecture 151z). 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 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

Catalog Number: 4593

Ewa Lajer-Burcharth

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

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 2008–09.



***History of Art and Architecture 91r. Directed Study in History of Art and Architecture**

Catalog Number: 1028

Joseph Koerner 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

Joseph Koerner 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

Joseph Koerner 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

Joseph Koerner 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

Joseph Koerner, Robin Kelsey, and members of the Department

Full course. Fall: F., 3–5. EXAM GROUP: Fall: 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. Excursion Course - (New Course)

Catalog Number: 9414 Enrollment: Limited to 17. Primarily intended for sophomore concentrators in HAA.

Betsey A. Robinson

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

Major study trip with preparatory seminar, exploring the history, art, and architecture of a given region, with emphasis on long-term change and global interaction.

[*History of Art and Architecture 101. The Materials of Art]

Catalog Number: 5741 Enrollment: Limited to 12.

Henry W. Lie and members of the Department

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



An introduction to the materials and techniques that have been used to produce art objects (paintings, sculpture, works on paper). An emphasis on the physical choices and constraints offered to the artist through the centuries. Problems of description, dating, authenticity, aging, and preservation are considered.

Note: Expected to be given in 2008–09.

Prerequisite: History of Art and Architecture concentration or two previous art history courses.

[History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650)]

Catalog Number: 9898

Gülru Necipoglu-Kafadar and Alina A. Payne

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

Architecture in Christian and Islamic regions of the eastern Mediterranean basin studied in comparative perspective with particular focus on the Italian, Ottoman, and Mamluk courts. Emphasis on cross-cultural encounters, uses of the Romano-Byzantine heritage, transmission of scientific knowledge and technology, patronage and architectural practice, languages of ornament, urban renovation, military architecture, emergence of monumental domed structures, churches, palaces and villas.

Note: Expected to be given in 2008–09. Offered jointly with Graduate School of Design (course number to be determined).

[*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)]

Catalog Number: 8101 Enrollment: Limited to 14.

Gülru Necipoglu-Kafadar

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

A contextual study of major monuments focusing on architectural, decorative, and epigraphic programs. Questions of interpretation, meaning and uses of the past addressed by focusing on selected buildings including the Dome of the Rock in Jerusalem; the Great Mosques of Damascus, Baghdad, Samarra, Cordoba, Cairo, Isfahan, Kairouan, Konya, Marrakesh, and Delhi; funerary architecture and palaces. Cross-cultural dialogues in frontier regions of the Islamic world, such as Spain, Sicily, Anatolia and India considered.

Note: Expected to be given in 2008–09.

***History of Art and Architecture 125e. Orientalist Legacies: Paradigmatic Discourses in the Field of Islamic Art - (New Course)**

Catalog Number: 4599 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.



History of Art and Architecture 128. Topics in Arabic Art and Culture: Proseminar

Catalog Number: 6008 Enrollment: Limited to 12.

David J. Roxburgh

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

A problem oriented inquiry into Arabic art and culture (ca. 750 to 1300), focusing on regions circling the Mediterranean, from the Iberian Peninsula to Iraq. Materials (the book, painting, portable arts, epigraphy, architecture) and geographic focus vary. Themes also change, but include relations between art and literature, aesthetics, vision and perception, courtly culture, the rise of a mercantile patron class, and cultural continuities and resurgences. The Art of the Qur'an is the focus in 2007.

***History of Art and Architecture 135m. Art and Cult in Ancient Egypt**

Catalog Number: 1034 Enrollment: Limited to 20.

Lyvia Morgan

Half course (fall term). W., 3-5. EXAM GROUP: 8, 9

This course explores the relationship between art, ritual and belief in Ancient Egypt, focusing on the key concepts of divine kingship, magic, the afterlife, and the living power of images. Topics include the cult of the Sun God, and Books of the Dead, 'heresy' in the art and thought of Akhenaten, symbolism in the art of Tutankhamun, and the cultic functions of statues, paintings and reliefs within temples and tombs.

[*History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar]

Catalog Number: 0302 Enrollment: Limited to 15.

Irene J. Winter

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

An inquiry into aesthetic theory as it was developed in Western Europe in the 18th and 19th centuries, and how that approach may be used to examine the art of non-European traditions. After a set of common readings and discussion, students will be asked to select a particular tradition for research, and examine the utility of such concepts as "beauty" cross-culturally. Class presentation and paper.

Note: Expected to be given in 2008-09.

History of Art and Architecture 138. Ancient Art from Alexander to Augustus

Catalog Number: 2327

Betsey A. Robinson

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

Focuses on the rich and innovative visual culture of the Hellenistic world, ca. 323-31 B. C., from the death of Alexander the Great, through the rise and fall of the Hellenistic kingdoms, and the hellenization of the Romans. Examines the social and physical settings of architecture and art, aesthetic diversification and dissemination, dynastic imagery, and trophy art.

History of Art and Architecture 139j. Narrating Life and Death: Myths on Roman Sarcophagi - (New Course)

Catalog Number: 1094 Enrollment: Limited to 15.

Ruth Bielfeldt and Ioli Kalavrezou

Half course (spring term). Tu., 1-3. EXAM GROUP: 15, 16



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: Open to qualified undergraduates and graduates.

**[*History of Art and Architecture 140h (formerly History of Art and Architecture 40).
Court and Cloister in the Later Middle Ages]**

Catalog Number: 0734 Enrollment: Limited to 20.

Jeffrey F. Hamburger

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

Courtly culture and patronage, primarily in Paris, Prague, and Burgundy, with an emphasis on issues of artistic exchange, dynastic commemoration, princely piety, the development of secular genres, and the emergence of the court artist.

Note: Expected to be given in 2008–09. Excursion to New York.

***History of Art and Architecture 140r. Family and Daily Life in Byzantium - (New Course)**

Catalog Number: 3681 Enrollment: Limited to 15.

Ioli Kalavrezou

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

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.

**[*History of Art and Architecture 143r (formerly *History of Art and Architecture 143m).
The Art of the Court of Constantinople]**

Catalog Number: 4412 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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 2008–09.

[*History of Art and Architecture 146x. The Art of Devotion]

Catalog Number: 4493 Enrollment: Limited to 15.

Jeffrey F. Hamburger

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

Examines the proliferation of novel forms of devotional practice and devotional art (sculpture, icons, panel painting, manuscript illumination) from the 12th through 15th century. Issues addressed include differences between monastic and lay, male and female, and high and low piety. The course includes close reading of religious literature, in translation, including texts written by and for women. Includes visits to local libraries and museums. No prior knowledge of



medieval art required.

Note: Expected to be given in 2008–09.

[History of Art and Architecture 152. Italian Renaissance Art]

Catalog Number: 9947

Frank Fehrenbach

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

An overview of the major works, artists, regions, subjects, and functional contexts of painting and sculpture between c. 1400 and 1600, with an emphasis on the dynamics and developments within the period. Major topics include art theory, relationships between art and science, perspective, composition, animation, and style.

Note: Expected to be given in 2008–09.

History of Art and Architecture 152m. Leonardo da Vinci - (New Course)

Catalog Number: 3017

Frank Fehrenbach

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

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.

***History of Art and Architecture 153p. Le Corbusier and the Invention of Modernism - (New Course)**

Catalog Number: 4383 Enrollment: Limited to 18.

Alina A. Payne

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Investigates the architecture, painting, and texts of Le Corbusier against the background of competing claims for the invention of modernism in architecture.

History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting - (New Course)

Catalog Number: 4715

Hugo van der Velden

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

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.

[*History of Art and Architecture 170g. The Grid]

Catalog Number: 9803 Enrollment: Limited to 10.

Neil Levine

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18



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, Mondrian, LeWitt, and others.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 172k. Photography and Labor in the 19th Century - \(New Course\)](#)

Catalog Number: 2099 Enrollment: Limited to 12.

Robin E. Kelsey

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

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 (spring term). Tu., Th., at 11. 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: Expected to be given in 2008–09.

[*History of Art and Architecture 173m. The Early Modern Artist]

Catalog Number: 7574 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Explores the emergence of artistic individuality in French 18th-century art and culture. What was modern about the 18th-century artist? What were the criteria of artistic self-definition? Among the issues addressed: the cultural myth of the artist; artist vs. critic; artistic identity and the philosophical notions of the self; subjectivity, sexuality, and gender; the artist's touch; authorship; melancholia; eccentricity; the artist's body; fashion. Artists include: Watteau, Chardin, Fragonard, Vigée-Lebrun, David, Girodet. Museum trip(s).

Note: Expected to be given in 2008–09.

[*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). Tu., 1–3. EXAM GROUP: 15, 16

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.

[*History of Art and Architecture 174m. Modern Architecture and its Histories]

Catalog Number: 2229 Enrollment: Limited to 10.

Neil Levine

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

When and how did modern architecture begin? Who were its leaders? What were its original goals and achievements and how did they change over time? These are some of the questions to be investigated through close readings of the most influential accounts of the movement's history from the 1920s through the present. Texts studied will include ones by Hitchcock, Johnson, Giedion, Pevsner, Banham, Scully, Frampton, Tafuri, and Colquhoun.

Note: Expected to be given in 2008–09.

History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century

Catalog Number: 9158

Ewa Lajer-Burcharth

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

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.

[History of Art and Architecture 175k. American and European Art, 1945–1975]

Catalog Number: 6910

Benjamin Buchloh

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

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?

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 175s. Art and Science in Early America]

Catalog Number: 2906 Enrollment: Limited to 12.

Jennifer L. Roberts

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

Spanning North and South America from the earliest colonial ventures to the mid-nineteenth century, this course will provide a critical examination of the visual arts as agents in the



production of scientific knowledge. We will concentrate on botanical and zoological imagery, cartographic models, the collection and display of specimens, and European confrontations with indigenous knowledges.

Note: Expected to be given in 2008–09.

***History of Art and Architecture 182v. Later Chinese Portraiture: Style, Function, and Meaning - (New Course)**

Catalog Number: 9950 Enrollment: Limited to 12.

Cheng-hua Wang (Institute of Modern History, Academia Sinica, Taipei)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Unlike its Western counterpart, Chinese portraiture has been understudied. This course will investigate portraits from the tenth century to the modern period, including the images of ancestors, rulers, officials, literati, courtesans, and artists in the media of painting and photography. We will discuss such major issues as the mechanisms and socio-cultural contexts of portrait-making, the conceptual framework of Chinese anthropomorphic images, and the generic transformation of different kinds of portraits through time. Chinese language is not required.

[History of Art and Architecture 188j. Japanese Architecture]

Catalog Number: 6988

Yukio Lippit

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

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 2008–09.

***History of Art and Architecture 196. Contemporary Art in Africa**

Catalog Number: 8120 Enrollment: Limited to 15.

Suzanne P. Blier

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

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.

[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 2008–09.

[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.

Note: Expected to be given in 2008–09.

***History of Art and Architecture 198v. Visual Culture of Latin America in the 20th Century - (New Course)**

Catalog Number: 2499 Enrollment: Limited to 25.

Robin Greeley (University of Connecticut)

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

This course considers the trajectory of Latin American art from the Mexican Revolution (1910-20) to the present. It will be less a chronological march through the history of the widely diverse countries and cultural productions, than an investigation of a constellation of issues. Some of these: address to a colonial & pre-conquest past; dialogue with European avant-gardisms (particularly Surrealism and Cubism); uses of indigenous/popular arts in defining cultural identities; abstraction vs. figuration; modernism vs. postmodernism.

[*History of Art and Architecture 199g. Global Art: Comparative Approaches in Art History & Ethnography]

Catalog Number: 5255 Enrollment: Limited to 12.

Suzanne P. Blier

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

The course explores art in global context, among those traditions in Africa, Oceania, and Native America, fields shared by both art history and anthropology. How does each discipline address local perspectives on art? Readings will be drawn from historical and more recent study. Issues addressed will be: approaches to field analysis, comparative perspectives, the role of history, artists, art markets, museums. Students will gain an understanding of the global art forms under consideration, and different disciplinary approaches, as well as questions important to the understanding of visual engagement.

Note: Expected to be given in 2008–09.

Primarily for Graduates

***History of Art and Architecture 206. Science and the Practice of Art History**

Catalog Number: 6180 Enrollment: Limited to 12.

Henry W. Lie and staff

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

Lectures, discussions, and artwork examinations are designed to equip the historian with critical



and informed approaches to the range, uses, ambiguities, and instruments currently employed in the scientific, diagnostic investigation of artworks.

[*History of Art and Architecture 223x. Islamic Palaces, Pavilions and Gardens]

Catalog Number: 4156 Enrollment: Limited to 12.

Gülru Necipoglu-Kafadar

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Studies palaces, villas and landscape architecture with reference to late antique and ancient Near Eastern prototypes, and contemporary parallels in non-Islamic courts. Court rituals, uses of the past, discourses of power and pleasure emphasized.

Note: Expected to be given in 2008–09. Offered jointly with the Graduate School of Design (course number to be determined).

***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). Th., 3–6. EXAM GROUP: 17, 18

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.

***History of Art and Architecture 229p. Word and Image in Persian Painting - (New Course)**

Catalog Number: 2342 Enrollment: Limited to 12.

David J. Roxburgh

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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.

[*History of Art and Architecture 232. Assyrian Reliefs and the Decorative Programs of Assyrian Palaces]

Catalog Number: 5269 Enrollment: Limited to 12.

Irene J. Winter

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Inquiry into the sculptural programs of Neo-Assyrian palaces, 9th through 7th c. BCE. Special attention will be given to historical context and to royal texts as a way to probe the meaning and visual impact of the reliefs.

Note: Expected to be given in 2008–09.

***History of Art and Architecture 236v. The Body in Ancient Art**

Catalog Number: 2221 Enrollment: Limited to 12.

Lyvia Morgan

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Seminar exploring the power of the body in ancient Egyptian, Near Eastern, Greek, and Roman



art. Images are seen as mediators between human and spiritual realms, determinants of hierarchy, and arousers of passions.

***History of Art and Architecture 237m. Architecture and Power in the Ancient Mediterranean World - (New Course)**

Catalog Number: 6190 Enrollment: Limited to 12.

Betsey A. Robinson

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

From Greek tyrants to Roman emperors, ancient leaders articulated identity and power with ‘prestige building projects.’ Civic, religious, and private architecture of empires, rulers, and elite, focusing on architectural expression, patrons’ aims, and subjects’ reception and emulation.

[*History of Art and Architecture 240r. Byzantine Art]

Catalog Number: 4109 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Icon and Relic: Their Role and Place at the Byzantine Court.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 241n. Image-Text-Context]

Catalog Number: 1084 Enrollment: Limited to 12.

Jeffrey F. Hamburger

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

Topics in text and image in medieval manuscript illumination, vernacular and Latin, as well as in other media, making intensive use of local collections (Houghton and Boston Public Library).

Note: Expected to be given in 2008–09. Excursion to Europe, pending funding.

***History of Art and Architecture 241r. Topics in Early Christian Art: Art and Politics in Late Antiquity - (New Course)**

Catalog Number: 7968 Enrollment: Limited to 12.

Ioli Kalavrezou

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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.

[*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). Th., 3–6. EXAM GROUP: 17, 18

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 2008–09.



***History of Art and Architecture 243n. Hieronymus Bosch - (New Course)**

Catalog Number: 6718 Enrollment: Limited to 12.

Joseph Koerner

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

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.

[*History of Art and Architecture 245. Jan and Hubert van Eyck: The Ghent Altarpiece]

Catalog Number: 5639 Enrollment: Limited to 12.

Hugo van der Velden

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

Focuses on meaning and interpretation, with special attention to the Ghent altarpiece. Themes include function, ritual, context, court art, competition, and the appreciation of painting in comparison to other media.

Note: Expected to be given in 2008–09.

***History of Art and Architecture 246v. In Exile: Gaze, Space and Displacement in Italian Art in an European and Mediterranean Context, 13th to 15th century - (New Course)**

Catalog Number: 4461 Enrollment: Limited to 10.

Gerhard Wolf (Kunsthistorisches Institut, Florence)

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

The seminar concentrates on art, literature and the circulation of artifacts, inter alia studying concepts of vision/optics in the Divine Comedy, perspective, beatific vision and image-magic during the Avignonese exile of the Popes.

***History of Art and Architecture 252v. Albrecht Dürer and the Low Countries**

Catalog Number: 0533 Enrollment: Limited to 12.

Jeroen Stumpel (Instituut voor Kunstgeschiedenis en Muziekwetenschap)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

We will study, analyze, and annotate Dürer's famous account of his journey to the Netherlands (1520–21), one of the most important and intriguing sources for Northern art in early modern history.

[*History of Art and Architecture 252y. Pieter Bruegel]

Catalog Number: 0275 Enrollment: Limited to 12.

Hugo van der Velden

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

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 2008–09.

***History of Art and Architecture 254p. The Invention of the Portrait - (New Course)**

Catalog Number: 6845 Enrollment: Limited to 12.

Frank Fehrenbach



Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Major moments of an enigmatic genre, from 13th century tomb sculpture to late 16th century experiments. Key concepts include similitude versus animation, gender, materiality, agency.

Note: Open to graduate and advanced undergraduate students; with excursion.

***History of Art and Architecture 256g. Order and Disorder in Renaissance Architecture - (New Course)**

Catalog Number: 6638 Enrollment: Limited to 12.

Alina A. Payne

Half course (spring term). W., 3–6. EXAM GROUP: 8, 9

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.

[*History of Art and Architecture 256m. Alberti's Renaissance]

Catalog Number: 3538 Enrollment: Limited to 12.

Alina A. Payne and Frank Fehrenbach

Half course (fall term). F., 1–3. EXAM GROUP: 6, 7

Explores Leon Battista Alberti's multifaceted oeuvre with particular emphasis on the artistic and theoretical problems he posed before the artists of his time and subsequent generations.

Note: Expected to be given in 2008–09.

***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). W., 3–6. EXAM GROUP: 8, 9

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.

[*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). M., 3–5. EXAM GROUP: 8, 9

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 2008–09. 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). Th., 3–5. EXAM GROUP: 17, 18



Theme this year is: "Imitation, Copy, Reproduction" -Centered on graphic arts, but also considering "multiples" and semi-industrial or industrial production of ornament, etc.

[*History of Art and Architecture 271m. Architecture, Display, and Mass Culture in 19th/20th c.]

Catalog Number: 2560 Enrollment: Limited to 10.

Alina A. Payne

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

Examines the redefinition of architecture at the turn of the 19th/20th century in both practice and theory in the context of the museum/exhibition movement and the rise of historical (archaeology, art history) and man-based sciences (anthropology, ethnology, psychology).

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 271n. American Sculpture in the 1960s]

Catalog Number: 2333 Enrollment: Limited to 15.

Benjamin Buchloh

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

Graduate seminar on sculpture in the US in the 1960s from minimalism through the developments of the decade.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 271x. The Origins of Modernity: The “New” 18th Century]

Catalog Number: 1598 Enrollment: Limited to 12.

Ewa Lajer-Burcharth

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Issues include: art and the public sphere; the birth of the critic; high & low; interiors and interiority; intimacy; artistic identity; sexuality, sexual difference, and gender; the discourse of race. Emphasis on new research and methodologies.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 272n. Space and Subjectivity in the Modern Period \(18th - 20th century\) - \(New Course\)](#)

Catalog Number: 8846 Enrollment: Limited to 12.

Ewa Lajer-Burcharth and Antoine Picon (Design School)

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

Examines the relation between architectural space, real and imagined, and the constructions of the self from the 18th century to the present. Issues of interiority, dwelling, sexuality, narcissism, voyeurism, ornament, and technology will be considered.

[*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 (fall term). Th., 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.

Note: Expected to be given in 2008–09.

***History of Art and Architecture 272z. Post WW II European Art (Part II) - (New Course)**

Catalog Number: 6513 Enrollment: Limited to 12.

Benjamin Buchloh

Half course (spring term). Th., 12–2. EXAM GROUP: 15

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.

[*History of Art and Architecture 275w. The Thing]

Catalog Number: 8955 Enrollment: Limited to 12.

Jennifer L. Roberts

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Investigates the conundrum of "objecthood" 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 2008–09.

***History of Art and Architecture 278x. Chance in Photography**

Catalog Number: 4081 Enrollment: Limited to 12.

Robin E. Kelsey

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.

[*History of Art and Architecture 279. Semiotics of the Image]

Catalog Number: 3644 Enrollment: Limited to 12.

Robin E. Kelsey

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

A fresh consideration of the possibilities for semiotic analysis of works of art. Readings will include canonical texts in semiotics, examples of semiotic analysis within art historical scholarship, and promising new accounts of language.

Note: Expected to be given in 2008–09.

[History of Art and Architecture 279k. Seeing Spectatorship]

Catalog Number: 7691 Enrollment: Limited to 10.

Carrie Lambert-Beatty

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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 2008–09.



[*History of Art and Architecture 279m. Media/Art]

Catalog Number: 6783 Enrollment: Limited to 10.

Carrie Lambert-Beatty

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Graduate seminar exploring theories of medium, the “medial turn” in art practice, art history, cultural theory, and selected case studies in video, conceptual, performance, and new media art.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 282w. Visual Culture of the Tang Dynasty (619–906)]

Catalog Number: 3238 Enrollment: Limited to 12.

Eugene Wang

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

The course explores ways of constructing narratives out of a variety of art objects and monuments from a crucial moment in Chinese art history.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 286p. The Poem-Picture Scroll - \(New Course\)](#)

Catalog Number: 6580 Enrollment: Limited to 10.

Yukio Lippit

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

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: Reading knowledge of Japanese or Chinese required.

[*History of Art and Architecture 288m. Transmissions: Art and Zen Buddhism]

Catalog Number: 1451 Enrollment: Limited to 12.

Yukio Lippit

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

An examination of the role certain artifacts and representational practices have played historically in relation to Sino-Japanese Zen Buddhism’s claim to represent a special nontextual (“mind to mind”) transmission of the Buddha’s wisdom.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 288n. The Kano School]

Catalog Number: 1578 Enrollment: Limited to 12.

Yukio Lippit

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

This seminar examines the ways in which Kano painters amalgamated disparate Japanese painting traditions to achieve a neutral, flexible, and highly influential mode of pictorial representation by the mid seventeenth century.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 289v. Picturing Urbanism: Genre Painting in Early Modern China - \(New Course\)](#)



Catalog Number: 1376 Enrollment: Limited to 12.

Cheng-hua Wang (Institute of Modern History, Academia Sinica, Taipei)

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

This course will examine the representations of urban life in cityscapes from the late 16th to the early 19th centuries. We will also look at the political and socio-cultural contexts in which these scrolls and prints were produced and consumed.

[*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). Hours to be arranged.

Books and things in the colonial world.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 292p. Topics in Pre-Columbian Andean Art in the Peabody Museum]

Catalog Number: 1832 Enrollment: Limited to 12.

Thomas B. F. Cummins

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Studies of the Collection.

Note: Expected to be given in 2008–09.

[*History of Art and Architecture 293s. Surrealism in Europe and Latin America - \(New Course\)](#)

Catalog Number: 4803 Enrollment: Limited to 10.

Robin Greeley (University of Connecticut)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

This seminar examines the trajectory of Surrealism in Europe and Latin America, as the movement (along with its followers and critics) brought together Marxism with psychoanalysis in an effort to formulate a ‘politics of representation.’

Cross-listed Courses

[Classical Archaeology 131. Introduction to Greek Art and Archaeology, ca. 1200-300 BCE - \(New Course\)](#)

[Classical Archaeology 137. Ancient Italian Wall Painting - \(New Course\)](#)

[Classical Archaeology 150. Greek Sculpture in Color - \(New Course\)](#)

[Classical Archaeology 151. Ancient Landscapes](#)

[Classical Archaeology 160. Ancient Greek Vase Painting and Iconography - \(New Course\)](#)

[*History 1443. Peter Paul Rubens \(1577-1640\), Scholar, Diplomat, Artist: Research Seminar](#)

[\[*History 1610. Confronting Objects/Interpreting Culture: Interdisciplinary Perspectives on North America: Research Seminar\]](#)

[\[Japanese Literature 250r. Gender and Japanese Art\]](#)

[Literature and Arts B-21. The Images of Alexander the Great](#)

[Literature and Arts B-23. The Japanese Woodblock Print](#)



Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction

[Literature and Arts B-34. Frank Lloyd Wright and the Modern City and Suburb]

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

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

[Literature and Arts B-48. Chinese Imaginary Space]

[Literature and Arts B-49. Modernisms 1865–1968]

Music 219r. 19th- and 20th-Century Music

Near Eastern Civilizations 193. From Baghdad to Isfahan: Classical Sciences in Persian Lands - (New Course)

[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 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

Suzanne P. Blier 3472, Benjamin Buchloh 5325, Joseph Connors 1080, Harry A. Cooper 1728, Thomas B. F. Cummins 3568, Frank Fehrenbach 5013, Jeffrey F. Hamburger 3800, Ioli Kalavrezou 2242, Deborah Martin Kao 3345, Robin E. Kelsey 4132, Ewa Lajer-Burchardth 3373, Carrie Lambert-Beatty 5283, Neil Levine 4178, Henry W. Lie 2575, Yukio Lippit 4713, Carol C. Mancusi-Ungaro 4406, David G. Mitten 1290, Robert D. Mowry 1958, Gülru Necipoglu-Kafadar 1688, Peter Nisbet 1738, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407, Betsey A. Robinson 4361, William W. Robinson 2239, David J. Roxburgh 2138, Rabun Taylor 4253, Eugene Wang 3600, Irene J. Winter 1955, Stephan S. Wolohojian 2756, Henri Zerner 3792, and Hugo van der Velden 4767

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 309. Dissertation Colloquium and/or Dissertation Defense**

Catalog Number: 6568

Hugo van der Velden 4767, and members of the Department

Note: May not be counted toward course requirements for the PhD degree, but is required before the degree may be granted.

***History of Art and Architecture 310. Methods and Theory of Art History**

Catalog Number: 7879 Enrollment: Limited to 14.



Hugo van der Velden 4767

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Note: Limited to incoming graduate students.

***History of Art and Architecture 399. Direction of Doctoral Dissertations**

Catalog Number: 6575

Suzanne P. Blier 3472, Benjamin Buchloh 5325 (on leave fall term), Thomas B. F. Cummins 3568 (on leave 2007-08), Frank Fehrenbach 5013, Jeffrey F. Hamburger 3800 (on leave 2007-08), Ioli Kalavrezou 2242, Robin E. Kelsey 4132, Ewa Lajer-Burchard 3373, Carrie Lambert-Beatty 5283 (on leave spring term), Neil Levine 4178 (on leave 2007-08), Yukio Lippit 4713, David G. Mitten 1290 (on leave spring term), Gülru Necipoglu-Kafadar 1688, Alina A. Payne 4605, Gloria Ferrari Pinney 1384, Jennifer L. Roberts 4407 (on leave 2007-08), Betsey A. Robinson 4361, David J. Roxburgh 2138, Rabun Taylor 4253, Eugene Wang 3600 (on leave 2007-08), Irene J. Winter 1955 (on leave 2007-08), Henri Zerner 3792, and Hugo van der Velden 4767

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, Harvard College Professor and Professor of the History of Science (*Chair*)

Mario Biagioli, Professor of the History of Science (*on leave 2007-08*)

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 (*on leave fall term*)

Janet Browne, Aramont Professor of the History of Science

Jimena Canales, Assistant Professor of the History of Science

Marwa S. Elshakry, Assistant Professor of the History of Science (*on leave spring term*)

Peter L. Galison, Joseph Pellegrino University Professor

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Steven James Harris, Lecturer on the History of Science

Sarah Jansen, Associate Professor of the History of Science (*on leave 2007-08*)

Christopher Kelty, Visiting Assistant Professor of the History of Science (*Rice University*)

Hannah Louise Landecker, Visiting Assistant Professor of the History of Science (*Rice University*)

Rebecca M. Lemov, Lecturer on the History of Science



John E. Murdoch, Professor of the History of Science (*on leave spring term*)
Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*Director of Graduate Studies*) (*on leave 2007-08*)
Charles E. Rosenberg, Ernest E. Monrad Professor of the Social Sciences
Steven Shapin, Franklin L. Ford Professor of the History of Science (*Director of Undergraduate Studies*) (*on leave spring term*)
Stefan Sperling, Lecturer on the History of Science, Post-Doctoral Fellow in the History of Science
Sarah W. Tracy, Visiting Associate Professor of the History of Science (*University of Oklahoma*)
Adelheid Voskuhl, Assistant Professor of 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 E. Gordon, Professor of History
Erwin N. Hiebert, Professor of the History of Science, *Emeritus*
Gerald Holton, Mallinckrodt Research Professor of Physics and Research Professor of the History of Science
Sheila S. Jasanoff, Pforzheimer Professor of Science and Technology Studies (*Kennedy School*)
Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*) (*on leave 2007-08*)
Everett I. Mendelsohn, Professor of the History of Science, *Emeritus*, Research Professor of the History of Science, Temporary Academic
Martha L. Minow, William Henry Bloomberg Professor of Law (*Law School*)
Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)
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 2008–09. 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 (formerly *History of Science 97b). Tutorial — Sophomore Year**

Catalog Number: 5235

Jimena Canales

Half course (spring term). M., 4-5:30, and a weekly section to be arranged.

The second term of sophomore tutorial focuses on how research, reading, and writing are done in the history of science, with attention to exemplary secondary works and to relevant archival materials.

Note: Required for undergraduate concentration in History and Science.

***History of Science 98 (formerly *History of Science 98r). Tutorial — Junior Year**

Catalog Number: 1120

Steven Shapin and members of the Department

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

Adelheid Voskuhl

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

***Freshman Seminar 41i. Technology, Self, and Society - (New Course)**

***Freshman Seminar 41q. Medicine, Ethics, and Culture**

***Freshman Seminar 44t. The Atomic Bomb in History and Culture**

[*Freshman Seminar 45m. The Concept of Race in Science and Medicine in the United States]

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



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

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

[Historical Study B-24. Utopia in the Age of the Scientific Revolution]

[Historical Study B-45. The Darwinian Revolution](#)

[Science A-41. The Einstein Revolution]

For Undergraduates and Graduates

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

Catalog Number: 0905

Steven Shapin, Marwa S. Elshakry, and Katharine Park

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 Core area requirement for Historical Study A.

[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 2008–09.

[History of Science 112. Medicine, Magic, and Miracles in Medieval and Renaissance Europe](#)

Catalog Number: 8576

Elly Rachel Truitt

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

A survey course on medical theory and healing practices in the context of intellectual, cultural,



and social history. Topics include supernatural and religious healing, the importance of magic and the occult sciences (alchemy, astrology), the development and organization of learned medicine, and changing ideas about the body.

Note: Will not be offered in 2008-09.

History of Science 120. History and Philosophy of Modern Physics

Catalog Number: 5116

Peter L. Galison

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

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: Cannot be taken for credit by students who have already taken Physics 120.

History of Science 126. The Matter of Fact: Physics in the Modern Age: Conference Course - (New Course)

Catalog Number: 5319 Enrollment: Limited to 15.

Jimena Canales

Half course (spring term). W., 2-4. EXAM GROUP: 7, 8

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 the physical sciences from the Industrial Revolution to Modern Physics. Topics include: engineering, astronomy, thermodynamics, electromagnetism, radioactivity, and relativity.

History of Science 131. History of Biology - (New Course)

Catalog Number: 3073

Janet Browne

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

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.

[History of Science 132. Environmental History]

Catalog Number: 8673

Sarah Jansen

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

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.

Note: Expected to be given in 2008–09.

History of Science 134. Nature on Display: Conference Course - (New Course)

Catalog Number: 4987 Enrollment: Limited to 15.

Janet Browne

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Explores the natural history tradition in Europe and the Americas, focusing on the cultural meanings of the practice of collecting specimens, exploration, museums displays and working the field and research stations from the 18th to 20th century.

History of Science 136v. History of Biotechnology: 1900 to the Present - (New Course)

Catalog Number: 0446

Hannah Louise Landecker (Rice University)

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

Course focuses on the philosophical, social and scientific history of the development of living technologies in the twentieth century. Examines the rise of the engineering ideal in the life sciences, the change in practice and perception of living bodies as factories and machines, the changing economic and legal infrastructure of biological invention, and the roots of contemporary social controversies concerning biotechnology.

***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 (fall term). W., 2–4. EXAM GROUP: 7, 8

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 146v. Measuring Humankind: Conference Course - (New Course)

Catalog Number: 4938

Sarah W. Tracy (University of Oklahoma)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Since the time of Hippocrates, physicians and philosophers have tried to classify the human organism based on people’s physical and mental characteristics. Students in this course will investigate the history of human classification, focusing primarily on the 20th and 21st centuries. We will explore the mixed lineage of and motivations for classifying humankind, from the ancient physician Hippocrates to the modern genocidal fascist Hitler.

History of Science 148v. Alcohol and Drugs in American Society - (New Course)

Catalog Number: 4731



Sarah W. Tracy (University of Oklahoma)

Half course (spring term). Tu., Th., 10–11:30; M., at 12; M., at 4; Tu., 10–12. EXAM GROUP: 12, 13

Investigates social, economic, political, and professional changes in the United States over the past 300 years that shaped alcohol's identity, and attitudes and policies governing other licit and illicit psychoactive substances. Particular attention will be paid to the ways in which the gender, ethnicity, and socio-economic status of alcohol and drug users, as well as the psychophysiological action of mind-altering drugs, have influenced the definition of alcohol and drug problems and their proposed solutions.

[History of Science 151. Science and Empire]

Catalog Number: 3516

Marwa S. Elshakry

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

This course examines science and technologies of rule as factors in the expansion of overseas European empires from the 18th to 20th centuries. It explores how colonial administrators deployed a range of scientific concepts and practices from tropical medicine and racial anthropology to urban planning and fingerprinting, and asks what both colonized and colonizers made of these.

Note: Expected to be given in 2008–09.

[*History of Science 153. History of Dietetics]

Catalog Number: 1409 Enrollment: Limited to 25.

Steven Shapin

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

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 2008–09.

[*History of Science 154. Science and Business in Modern America]

Catalog Number: 7942 Enrollment: Limited to 25.

Steven Shapin

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

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 2008–09.

History of Science 157. Sociological Topics in the History 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 158. Darwinism: A Global History: Conference Course

Catalog Number: 4549

Marwa S. Elshakry

Half course (fall term). W., 4–6. EXAM GROUP: 9

Examines the impact of Darwin's ideas across languages, cultures and disciplines from the mid-19th century until WWII. Covering a range of examples from the US, Europe, the Ottoman Empire, Japan, and Russia, we will explore topics including: social Darwinism; eugenics and scientific racism; materialism and socialism; religion and rationality; war and the competition between nations.

[History of Science 160. Intellectual Property in Science]

Catalog Number: 8570

Mario Biagioli

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

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.

Note: Expected to be given in 2008–09.

History of Science 161. The Scientific Revolution - (New Course)

Catalog Number: 2868

Steven James Harris

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.

[History of Science 162. Science in the Enlightenment]

Catalog Number: 7570

Adelheid Voskuhl

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

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.

Note: Expected to be given in 2009–10.



History of Science 172. Managing the Mind - (New Course)

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.

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: Conference Course

Catalog Number: 1750

Rebecca M. Lemov

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of critical experiments drawn from the related fields of social psychology, anthropology, sociology, and psychoanalysis—Pavlov, Milgram, Hawthorne, Mead, and Rosenhan—that changed the human sciences and also changed modern social life.

[History of Science 176. Evolution and Human Nature: Conference Course]

Catalog Number: 6736 Enrollment: Limited to 15.

Anne Harrington

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

Explores the historical attempt to reconcile our understanding of the human mind—and our fundamental experience of our humanness—with evolutionary understandings of human origins since Darwin. Organized topically around classic and exemplary debates on the nature and purpose of consciousness, free will, morality, aggression, religion and more. Readings include Darwin, Wallace, Huxley, Spencer, James, Freud, Lorenz, Chardin, and Wilson. Particular attention to social and ethical context and perceived implications of these debates.

Note: Expected to be omitted in 2007–08. Expected to be given in 2008–09. Preference given to juniors and seniors.

[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 2008–09.



History of Science 182. Science, Modernity, and Discontent

Catalog Number: 4322

Jimena Canales

Half course (fall term). M., W., (F.), at 9. EXAM GROUP: 2

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.

History of Science 186. History of Technology: From the Printing Press to the Internet

Catalog Number: 2147

Adelheid Voskuhl

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

Surveys the history of technology in Europe and North America from the mid-fifteenth century to the present. Topics include warfare, agriculture, communication technologies, production and consumption, social change, labor, capitalism, transportation, 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 189v. History of Software and Networks

Catalog Number: 9607

Christopher Kelty (Rice University)

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

20th century history of the differentiation of hardware and software and the rise of networked, distributed forms of computing. Theories of information society and network society. The role of intellectual property, regulation and forms of organization and coordination in the development of information technologies.

History of Science 192. Environmental Politics - (New Course)

Catalog Number: 9243

Sheila S. Jasanoff (Kennedy School)

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: Offered jointly with Environmental Science and Public Policy 78. May not be taken for credit by students who have already taken ESPP 78.

Cross-listed Courses

East Asian Studies 170. Medicine and the Body in East Asia and in Europe

Japanese History 130. Edo Japan in the History of Curiosity



***MCB 142. Major Advances in Classical and Molecular Genetics**
Near Eastern Civilizations 193. From Baghdad to Isfahan: Classical Sciences in Persian Lands - (New Course)
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 200. Knowing the World - (New Course)

Catalog Number: 0418

Katharine Park, Marwa S. Elshakry, and Steven Shapin

Half course (fall term). Th., 4–6. EXAM GROUP: 18

Examines the production, communication, and authority of scientific knowledge across a broad range of historical periods and scientific disciplines. Explores changing ways of knowing, classifying, and explaining the natural world, as well as new methods of securing, evaluating, and managing evidence. Emphasis on Europe and North America, with attention to international and global relationships. Students attend the lectures of History of Science 100 plus a weekly two-hour discussion section led by the lecturers.

***History of Science 201 (formerly *History of Science 200). Research Methods in the History of Science**

Catalog Number: 5277

Katharine Park and members of the Department

Half course (fall term). M., 1–3:30. EXAM GROUP: 6, 7, 8

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.

***History of Science 206r. Physical Change, Matter, and Mixture in Aristotle: Seminar - (New Course)**

Catalog Number: 2410

John E. Murdoch

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

A study of Aristotle's *On Generation and Corruption* and Book IV of his *Meteorology* together with ancient commentators on these works and consideration of them by contemporary historians.

[*History of Science 207r. Medieval Science: Seminar]

Catalog Number: 8468

John E. Murdoch

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

Topic for 2006-07: Unpublished texts and translations of late medieval Latin atomism. (Readings in translation.)

Note: Expected to be given in 2008–09. 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 2008–09.

[History of Science 214. Early Modern Science: Proseminar]

Catalog Number: 5732

Mario Biagioli

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

Intensive survey of the history of science from 1500 to 1750 across disciplinary, national, and institutional contexts. For students preparing early modern fields for their comprehensive exams and for students interested in the scientific revolution.

Note: Expected to be given in 2008–09.

[History of Science 215r. Science and Culture in Late Medieval and Early Modern Europe: Seminar]

Catalog Number: 4568

Katharine Park

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2007-08: Art and Nature, c. 1490-1700. Explores the ways in which early modern Europeans used texts, images, and objects to understand and represent the natural world.

Attention to learned and artisanal epistemologies, scientific illustration, and cultures of collecting and experiment.

Note: Expected to be given in 2008–09.

Prerequisite: Some familiarity with the history of early modern European art or science and reading knowledge of one European language strongly recommended.

[History of Science 217. Science as Spiritual Exercise: Seminar - \(New Course\)](#)

Catalog Number: 3504

Steven James Harris

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Extending Pierre Hadot's interpretation of ancient Greek philosophy as spiritual exercise into the early modern period re-frames the trial of Galileo, Jesuit science, and the sociability of scientific networks and offers a historically-based alternative to current Anglo-American debates on science and religion.

[*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 2008–09.

[History of Science 230. ‘Science Inc.’: Governing and Funding Knowledge in the Modern Age: Seminar]

Catalog Number: 1541

Sarah Jansen

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

States, the private sector, and international organizations as patrons of science and shapers of knowledge. Cases include biotechnologies such as stem cell research and genomics, and science policies in international comparison.

Note: Expected to be given in 2008–09.

[History of Science 232v. The Cell in Theory and History, 1850-2000: Seminar - \(New Course\)](#)

Catalog Number: 7311

Hannah Louise Landecker (Rice University)

Half course (spring term). W., 4–6. EXAM GROUP: 9

History of modern biological sciences explored through the technical and philosophical place of the cell in life science, from cell theory through the rise of protistology, immunology, neurology, cytology to stem cell biology and cloning.

[History of Science 238. Rethinking the Darwinian Revolution: Seminar]

Catalog Number: 9533

Janet Browne

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

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 2008–09.

[History of Science 240. The Body in Health and Disease: Seminar]

Catalog Number: 6821

Charles E. Rosenberg

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

“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 2008–09.

[History of Science 241. Patients, Doctors, Illness: The Social History of Medicine explored through Literature: Seminar - \(New Course\)](#)

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. EXAM GROUP: 16, 17

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.

History of Science 243. The Making of Modern Medicine: Seminar

Catalog Number: 5572

Charles E. Rosenberg

Half course (spring term). W., 4–6. EXAM GROUP: 9

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.

[*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 2008–09.

History of Science 246v. Cancer and Medicine in the 20th Century: Seminar - (New Course)

Catalog Number: 5397

Hannah Louise Landecker (Rice University)

Half course (fall term). W., 4–6. EXAM GROUP: 9

The study of cancer has had a formative role in the shaping of medicine, biology and public health. Course explores the history of cancer research across fields such as genetics and epidemiology, the tension between innate and environmental models of cause, and the changing role and experience of the cancer patient.

[History of Science 251. Science in Translation: Seminar]

Catalog Number: 4873

Marwa S. Elshakry

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

Examines ways in which scientific knowledge is transformed by its translation, appropriation,



and interpretation within different socio-cultural and epistemological settings, utilizing theoretical insights from linguistics, sociology, and anthropology and drawing on a number of case studies.

Note: Expected to be given in 2008–09.

***History of Science 253. Bioethics, Law, and the Life Sciences**

Catalog Number: 4500

Sheila S. Jasanoff (Kennedy School)

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 STP-321. May not be taken for credit by students who have already taken STP-321 (KSG).

[History of Science 254 (formerly History of Science 159). Probability in Science and Society: Seminar]

Catalog Number: 0807

Sarah Jansen

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

Explores the history of probability, one of the key concepts of modern science, from the Enlightenment to the present. Topics include reconceptualizations of the individual and the social, and changing notions of truth, facticity, and objectivity.

Note: Expected to be given in 2008–09.

History of Science 255. Sociology of Scientific Knowledge: Seminar

Catalog Number: 8911

Steven Shapin

Half course (fall term). F., 12–2. EXAM GROUP: 5, 6

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.

[History of Science 258. The Normal and the Abnormal]

Catalog Number: 0817

Charles E. Rosenberg and Arthur Kleinman

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

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 2008–09. Open to undergraduates with the permission of the instructor. May not be taken concurrently with Anthropology 2655.

[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 2008–09. 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 and Jimena Canales

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

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.

Note: Expected to be given in 2009–10.

[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 2008–09.

***History of Science 285a. Science, Power and Politics I**

Catalog Number: 5124

Sheila S. Jasanoff (Kennedy School)

Half course (fall term). W., 2–4. 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 STP-291. May not be taken for credit by students who have already taken STP-291 (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 (Kennedy School)

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: Offered jointly with the Kennedy School as STP-292. May not be taken for credit by students who have already taken STP-292 (KSG). Either 285a or 285b may be taken as a separate course, but only with permission of the instructor.

History of Science 287. Heidegger and Technology: Seminar - (New Course)

Catalog Number: 2819

Peter L. Galison and Peter E. Gordon

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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: Offered jointly with History 2471.

History of Science 288. History and Philosophy of Technology: Proseminar - (New Course)

Catalog Number: 6645

Adelheid Voskuhl

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Graduate-level survey of classic and recent influential work in the history 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. For students preparing field examinations and those wishing to gain insight into current issues in the historiography of technology.

[*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 2008–09. 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.

Note: Expected to be given in 2008–09.

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.

Note: Expected to be given in 2008–09.

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 - \(New Course\)](#)

[East Asian Studies 205. Approches to the Comparative History of Medicine and the Body - \(New Course\)](#)

[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 - \(New Course\)](#)

Graduate Courses of Reading and Research

***History of Science 300. Direction of Doctoral Dissertations**

Catalog Number: 3388

Mario Biagioli 1756 (on leave 2007-08), Allan M. Brandt 3031 (on leave fall term), Janet Browne 5511, Jimena Canales 5070, Marwa S. Elshakry 4884 (on leave spring term), Peter L. Galison 3239, Evelyn M. Hammonds 4545, Anne Harrington 1895, Sarah Jansen 4107 (on leave 2007-08), Sheila S. Jasanoff (Kennedy School) 2248 (spring term only), Shigehisa Kuriyama 5269 (spring term only), Everett I. Mendelsohn 2700 (spring term only), John E. Murdoch 1877 (on leave spring term), Katharine Park 2974 (on leave 2007-08), Charles E. Rosenberg 3784, Steven Shapin 3984 (on leave spring term), 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 (on leave 2007-08), Allan M. Brandt 3031 (on leave fall term), Janet Browne 5511, Jimena Canales 5070, Marwa S. Elshakry 4884 (on leave spring term), Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545, Anne Harrington 1895, Steven James Harris 4081, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107 (on leave 2007-08), Sheila S. Jasanoff (Kennedy School) 2248, Shigehisa Kuriyama 5269 (spring term only), Everett I. Mendelsohn 2700, John E. Murdoch 1877 (on leave spring term), Katharine Park 2974 (on leave 2007-08), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984 (on leave spring term), 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 (on leave 2007-08), Allan M. Brandt 3031 (on leave fall term), Janet Browne 5511, Jimena Canales 5070, Marwa S. Elshakry 4884 (on leave spring term), Peter L. Galison 3239, Owen Gingerich 1159, Evelyn M. Hammonds 4545, Anne Harrington 1895, Erwin N. Hiebert 1187, Gerald Holton 1883, Sarah Jansen 4107 (on leave 2007-08), Sheila S. Jasanoff (Kennedy School) 2248, Shigehisa Kuriyama 5269 (spring term only), Hannah Louise Landecker (Rice University) 5822 (spring term only), Everett I. Mendelsohn 2700, Robb Moss 1392 (on leave spring term), John E. Murdoch 1877 (on leave spring term), Katharine Park 2974 (on leave 2007-08), Antoine Picon (Design School) 4295, Charles E. Rosenberg 3784, Barbara Gutmann Rosenkrantz 3651, A. I. Sabra 2702, Steven Shapin 3984 (on leave spring term), 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.

Human Evolutionary Biology

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Anthropology Offering Instruction in Human Evolutionary Biology

John C. Barry, Lecturer on Anthropology
Judith F. Chapman, Lecturer on Anthropology
Peter T. Ellison, John Cowles Professor of Anthropology
Carole K. Hooven, Lecturer on Anthropology
Cheryl D. Knott, Associate Professor of Anthropology
Karen L. Kramer, Associate Professor of Anthropology
Daniel E. Lieberman, Professor of Anthropology (*Co-Head Tutor*)
Susan F. Lipson, Lecturer on Anthropology
David Pilbeam, Henry Ford II Professor of Human Evolution
Maryellen Ruvolo, Professor of Anthropology
Katherine K. Whitcome, Lecturer on Anthropology
Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology

Human Evolutionary Biology is an undergraduate concentration offered by the Biological Anthropology faculty of the Department of Anthropology and provides a general foundation in human and organismic biology as part of the Life Sciences cluster of concentrations. Human Evolutionary Biology 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. Human Evolutionary Biology is also linked to the social sciences at Harvard, and complements the pre-existing track in Biological Anthropology within the Anthropology Concentration. 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.

Primarily for Undergraduates

***Human Evolutionary Biology 91r. Supervised Reading and Research**

Catalog Number: 3631

Daniel E. Lieberman

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 Biological Anthropology 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

Daniel E. Lieberman

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 physiology 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 concentrators.

***Human Evolutionary Biology 99. Tutorial—Senior Year**

Catalog Number: 2840

Daniel E. Lieberman

Full course (indivisible). Hours to be arranged.

Research and writing of the Senior Thesis. Limited to honors candidates. Signature of the faculty advisor required.

Please refer to the courses listed under Human Evolutionary Biology. The Biological Anthropology track within the Anthropology department addresses why humans and primates are the way they are from an evolutionary perspective. Undergraduate courses in Biological Anthropology are listed in the Human Evolutionary Biology concentration.

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 HEB 1418.

Prerequisite: Life Sciences 2 or equivalent strongly recommended.

Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar

Catalog Number: 5008 Enrollment: Limited to 15.

Judith F. Chapman

Half course (fall 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 - (New Course)

Catalog Number: 2051

Karen L. Kramer

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

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 1330 (formerly Anthropology 1330). Primate Social Behavior

Catalog Number: 4332

Richard W. Wrangham

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

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 permission of Instructor.



Human Evolutionary Biology 1345. Human Structure

Catalog Number: 4433

Katherine K. Whitcome

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

This course examines the evolution, structure and function of the human body, with an emphasis on the musculo-skeletal system. Particular attention will be paid to key adaptations and features that have played critical roles in human evolutionary history such as locomotion, mastication, manipulation, the brain, and reproduction.

Human Evolutionary Biology 1355. Darwin Seminar: Evolution and Religion

Catalog Number: 8314

Peter T. Ellison

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

A course on the intellectual history of evolution with rotating topics. The focus this year will be on the relationship between evolution and religion which has been a significant force in the social response to evolutionary theory from the 19th century to the present. We will consider this relationship from a number of perspectives, relying on the reading of primary texts from Paley to Dennett. We will consider both religious critiques of Darwinian evolutionary theory and evolutionary approaches to understanding religion.

[Human Evolutionary Biology 1368. Evolution of Human Sex Differences]

Catalog Number: 0389

Carole K. Hooven

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

This course uses an evolutionary perspective to explore differences between human males and females. Lecturers will present evidence of differences in physiology, behavior, and cognition, and in discussions students will critically examine the relevant literature. We will cover topics such as sex differences in dominance behavior, parenting, sexuality, and aggression, emphasizing the role of sex hormones.

Note: Expected to be given in 2008–09.

***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: 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

Cheryl D. Knott

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

An exploration of 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; violence against women; and women's reproductive health choices. Examples are drawn from traditional and modern human societies and data from nonhuman primates are considered.

Note: Expected to be given in 2008–09.

Human Evolutionary Biology 1414. Evolution of Human Diet: Research Seminar

Catalog Number: 9881

Cheryl D. Knott

Half course (spring term). W., 12–2. EXAM GROUP: 5, 6

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 1415 (formerly Anthropology 1415). Primate Evolutionary Ecology: Research Seminar

Catalog Number: 6341

Cheryl D. Knott

Half course (fall term). M., W., F., at 12 and a weekly laboratory W., 1. . EXAM GROUP: 5

An exploration of interactions between primates and their environments in an evolutionary context. Lectures discuss the influence of ecological processes on primate behavioral and morphological adaptations. Topics include environmental influences on social structure, mating systems, ranging and intergroup spacing, diet and nutrition, juvenile development, and reproductive and energetic physiology. Comparisons between the great apes are emphasized. Projects will involve learning methods of primate observation, energetic analysis and ecological investigation to explore socioecological questions using local vertebrates.

Prerequisite: An introductory course in Biology, Science B-29, or permission of instructor.

***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 develop and conduct pilot research projects.

Note: Preference given to human evolutionary biology and biological anthropology concentrators



and graduate students.

Prerequisite: Anthro 1310 or HEB 1310 or permission of the instructor.

[Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Anatomy]

Catalog Number: 6233

Daniel E. Lieberman

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

An integrative overview of human anatomy, with a focus on the musculo-skeletal system, including aspects of developmental biology, functional morphology, and physiology. 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. Special attention paid to the unique aspects of human anatomy.

Note: Expected to be given in 2008–09. No prior knowledge of anatomy is required.

[Human Evolutionary Biology 1425 (formerly Anthropology 1425). Primate and Human Nutrition: Research Seminar]

Catalog Number: 7064

Richard W. Wrangham

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

An introduction to laboratory study in the biochemical analysis of plant and animal foods, and of human and animal digestive physiology and feeding behavior. Topics include nutritional requirements, primate and human dietary adaptations and the nature of early hominid diets. Projects may include laboratory analyses of plant and animal foods, including samples collected from ongoing wild primate field projects or modern hunter/gatherer projects.

Note: Expected to be given in 2008–09.

***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.

Prerequisite: Life Sciences 1b.

[Human Evolutionary Biology 1490. Primate Evolution] - (New Course)

Catalog Number: 7376

David Pilbeam

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

A lecture/discussion course on primate evolution approached both systematically and systemically, and from a comparative perspective. Hominoids will be a particular focus.



Following a review of major primate groups as adaptive radiations, important systems (for example, positional, foraging, social and reproductive behaviors, and life histories) will be discussed comparatively. Regular section meetings will focus primarily on the fossil record and its explication using living primates.

Note: Expected to be given in 2008–09. No prerequisites, but introductory courses in evolution, genetics, anatomy helpful.

[*Human Evolutionary Biology 1494r (formerly *Anthropology 1494r). The Hominid Fossil Record]

Catalog Number: 2462

David Pilbeam

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

A lecture-laboratory course on the fossil record of Hominidae, focusing on analysis and interpretation of the record based on casts.

Note: Expected to be given in 2008–09. Fulfills the research seminar requirement for human evolutionary biology and biological anthropology concentrators.

Prerequisite: Science B-27 or Anthropology 1420.

Human Evolutionary Biology 1565. Theories of Sexual Coercion - (New Course)

Catalog Number: 1953 Enrollment: Limited to 20.

Richard W. Wrangham and Diane L. Rosenfeld (Harvard Law School)

Half course (spring term). M., 5–7 p.m. EXAM GROUP: 9

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: 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.

Prerequisite: Permission of instructor.

Cross-listed Courses

[*Freshman Seminar 21j. Human Evolution]

Life Sciences 1b. An Integrated Introduction to the Life Sciences: Genetics, Genomics, and



Evolution

Life Sciences 2. Evolutionary Human Physiology and Anatomy - (New Course)

*Mind, Brain, and Behavior 152. Consumable Science - (New Course)

*OEB 121a. Advanced Structure and Physiology of the Vertebrates

*Psychology 1151. Cognitive Evolution: Theory and Practice

*Psychology 1152r. Cognitive Evolution Lab

Science B-27. Human Evolution

[Science B-29. Evolution of Human Nature]

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*) (*on leave fall term*)

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 (*on leave 2007-08*)

Michael J. Puett, Professor of Chinese History

David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History

John S. Schoeberlein, Lecturer on Central Asian Studies, and Director of the Central Asia Forum

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Michael Witzel, Wales Professor of Sanskrit

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

Faculty of the Committee on Latin American and Iberian Studies

David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity School*) (*Chair*)

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures (*on leave fall term*)

Joaquim-Francisco Coelho, Nancy Clark Smith Professor of the Language and Literature of Portugal and Professor of Comparative Literature

Thomas B. F. Cummins, Dumbarton Oaks Professor of the History of Pre-Columbian and Colonial Art (*on leave 2007-08*)

Jorge I. Domínguez, Antonio Madero Professor of Latin American Politics and Economics

Bradley S. Epps, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Brian D. Farrell, Professor of Biology

William L. Fash, Bowditch Professor of Central American and Mexican Archaeology and Ethnology

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures, Harvard College Professor

Jeffrey Frieden, Stanfield Professor of International Peace

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures

James Hanken, Professor of Biology and Curator of Herpetology and Alexander Agassiz

Professor of Zoology in the Museum of Comparative Zoology

N. Michele Holbrook, Charles Bullard Professor of Forestry

Steven R. Levitsky, John L. Loeb Associate Professor of the Social Sciences, Professor of Government

J. Lorand Matory, Professor of Anthropology and of African and African American Studies

Marcelo J. Moreira, Associate Professor of Economics (*on leave spring term*)

Donald H. Pfister, Asa Gray Professor of Systematic Botany and Curator of the Farlow Library and Herbarium

Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities

Gary Urton, Dumbarton Oaks Professor of Pre-Columbian Studies

John Womack, Jr., Robert Woods Bliss Professor of Latin American History and Economics

The Standing Committee on Latin American and Iberian Studies is appointed to coordinate the Center's research and curricular programs that operate solely within the Faculty of Arts and Sciences, including Harvard College and the Graduate School of Arts and Sciences. The



Committee presently includes members representing seven academic disciplines appointed by the Dean of the Faculty of Arts and Sciences. Harvard/Radcliffe students have developed undergraduate programs focused on Latin America in Anthropology, Biology, Economics, Environmental Science and Public Policy, Government, History, History and Literature, Romance Languages and Literatures, Social Studies, and the Special Concentrations program. Although the Committee itself does not offer an undergraduate concentration or an advanced 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 the AB degree in many concentrations. The Committee also awards a Certificate in Latin American Studies to graduate students who meet its requirements just prior to their receipt of the doctoral degree.

The David Rockefeller Center for Latin American Studies, founded in 1994, coordinates research, teaching, and public programs on Latin America and related fields such as the Caribbean, the Iberian peninsula, and the Latin American Diaspora in the US throughout the University. It works to strengthen ties between Harvard and the countries of the region and to promote public understanding of the cultures, histories, and societies of this diverse region. The Center's governing bodies and committees include faculty from many faculties, departments, and the professional schools; the Center's annual directory of faculty and professional staff lists over 300 faculty members, librarians, curators, administrators, and visiting fellows and scholars with substantial Latin American or related interests.

The David Rockefeller Center is a Title VI National Resource Center, so designated by the US Department of Education in 2000. The Center sponsors lectures, seminars, conferences, exhibitions, and other academic and cultural events; supports faculty research; advises students; funds summer research travel grants to graduate, professional, and undergraduate students; manages the competition for Title VI Foreign Language and Area Studies Fellowships and other fellowships for graduate and professional students; hosts visiting scholars and fellows; provides outreach services to teachers, journalists, and other groups; and administers the Robert F. Kennedy Visiting Professorship of Latin American Studies.

The Center publishes a monthly calendar from September to May; an annual *Guide to Courses* that lists over 100 courses on Latin America and related topics at Harvard; the *Directory of Faculty and Professional Staff*; a magazine, *ReVista*, appearing three times a year; and working paper and book series.

Life Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Life Sciences



Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences (*Chair*) (*ex officio*)
 Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (*on leave* 2007-08)
 John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)
 Rachele Gaudet, Associate Professor of Molecular and Cellular Biology, Co-Head Tutor in Biochemical Sciences
 Ann Georgi, Undergraduate Research Adviser for the Life Sciences (*ex officio*)
 David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology
 Georgene B. Herschbach, Associate Dean of Undergraduate Academic Programs (*ex officio*)
 Eric N. Jacobsen, Sheldon Emery Professor of Chemistry, Tutor in Biochemical Sciences (*on leave* 2007-08)
 Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Daniel E. Lieberman, Professor of Anthropology
 Richard M. Losick, Maria Moors Cabot Professor of Biology
 Robert A. Lue, Professor of the Practice of Molecular and Cellular Biology (*Director of Life Sciences Education*)
 Lee Ann Michelson, Director of Premedical and Health Career Advising (*ex officio*)
 Ken Nakayama, Edgar Pierce Professor of Psychology
 Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
 David Pilbeam, Henry Ford II Professor of Human Evolution

Other Faculty Offering Instruction in Life Sciences

Andrew A. Biewener, Charles P. Lyman Professor of Biology
 Tamara J. Brenner, Lecturer on Molecular and Cellular Biology
 Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Peter T. Ellison, John Cowles Professor of Anthropology
 Daniel L. Hartl, Higgins Professor of Biology
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology
 Ann Pearson, Thomas D. Cabot Associate Professor of Earth and Planetary Sciences
 Gary B. Ruvkun, Professor of Genetics (*Medical School*)
 Maryellen Ruvolo, Professor of Anthropology
 Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government
 Gregory C. Tucci, Senior Lecturer on Chemistry and Chemical Biology
 Alain Viel, Senior Lecturer on Molecular and Cellular Biology
 John R. Wakeley, Professor of Organismic and Evolutionary Biology

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 and core curriculum 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 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 beginning course for students interested in pursuing the life sciences, either Life Sciences 1a/1b or Life and Physical Sciences a. Life and Physical Sciences a is a one-semester introduction to fundamental chemical and biological concepts, and will prepare students to take Life Sciences 1a, Life Sciences 1b, or Physical Sciences 1. Life Sciences 1a integrates chemistry with molecular and cellular biology, and Life Sciences 1b covers genetics, genomics, and evolution.

Life and Physical Sciences

Primarily for Undergraduates

Life and Physical Sciences A. Foundational Chemistry and Biology - (New Course)

Catalog Number: 3956

Gregory C. Tucci and Tamara J. Brenner

Half course (fall term). M., W., F., at 9 and one hour per week of discussion section and one hour per week of review. 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, cell structure and physiology, and natural selection.

Note: For students with little or no previous study of chemistry or biology. This course assumes fluency with high school algebra. Life and Physical Sciences A gives solid preparation for Life Sciences 1a, Life Sciences 1b, and Physical Sciences 1.

Life Sciences

Primarily for Undergraduates

Life Sciences 1a. An Integrated Introduction to the Life Sciences: Chemistry, Molecular Biology, and Cell Biology

Catalog Number: 2137

Erin K. O'Shea, Daniel E. Kahne, and Robert A. Lue

Half course (fall term). Tu., Th., 10–11:30, and three hours of laboratory/discussion weekly. EXAM GROUP: 12, 13

What are the fundamental features of living systems? What are the molecules that impart these features, and how do their chemical properties explain their biological roles? The answers to these questions form the basis for an understanding of the molecules of life, the cell, diseases, and medicines. In contrast with a traditional presentation of relevant scientific disciplines in separate courses, the above concepts are examined through an integrated presentation of 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. When taken for a letter grade, Life Sciences 1a meets 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, Maryellen Ruvolo, and John R. Wakeley

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. When taken for a letter grade, Life Sciences 1b meets the Core area requirement for Science B.

Life Sciences 2. Evolutionary Human Physiology and Anatomy - (New Course)

Catalog Number: 9007 Enrollment: Limited to 200.

George V. Lauder, Andrew A. Biewener, Peter T. Ellison, 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 and HEB 1420. This course, when taken for a letter grade, meets 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). Tu., 2-4. EXAM GROUP: 16, 17

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: 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.

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 Department

Half course (fall term; repeated spring term). Fall: W., 1–3; Spring: F., 1–3. EXAM GROUP: 6, 7

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 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 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 - (New Course)

Catalog Number: 5701

Ann Pearson, Jon Clardy (Medical School), and Roberto G. Kolter (Medical School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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: Life Sciences 1a and Life Sciences 1b or higher, or Physical Sciences 1 or higher, or permission of the instructor.

***Life Sciences 190r. Diverse Microbial Strategies for Metabolism, Pathogenesis, and Chemical Signaling - (New Course)**

Catalog Number: 7185 Enrollment: Limited to 30.

Gary B. Ruvkun (Medical School), and members of the Faculty

Half course (fall term; repeated spring term). Fall: F., at 8:30, F., 9:45–11:45; Spring: F., 9–12. EXAM GROUP: Fall: 1, 2, 3, 4; Spring: 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.

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

Jay Jasanoff, Diebold Professor of Indo-European Linguistics and Philology (*Chair*)

Cedric Boeckx, Associate Professor of Linguistics

Sue Brown, Lecturer on Linguistics (*spring term only*)

Gennaro Chierchia, Haas Foundations Professor of Linguistics (*Head Tutor*)

Michael S. Flier, Oleksandr Potebnja Professor of Ukrainian Philology (*on leave 2007-08*)

C.-T. James Huang, Professor of Linguistics (*on leave fall term*)

Andrew Nevins, Assistant Professor of Linguistics

Maria Polinsky, Professor of Linguistics

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 Japanese Language
Steven Pinker, Johnstone Family Professor of Psychology, Harvard College Professor
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

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 2008–09.

[Linguistics 88. Language and Cognition]

Catalog Number: 5126

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 2008–09.

***Linguistics 91r. Supervised Reading and Research**

Catalog Number: 1100

Gennaro Chierchia 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



Gennaro Chierchia and members of the Department

Half course (spring term). M., 1:30–3:30; Tu., 3–5; W., 3–5; W., 2–4.

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

Gennaro Chierchia 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

Gennaro Chierchia 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 99. Tutorial — Senior Year**

Catalog Number: 3082

Gennaro Chierchia and members of the Department

Full course. 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: Required of honors concentrators.

For Undergraduates and Graduates

Linguistics 110. Introduction to Linguistics

Catalog Number: 1498

Andrew Nevins

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.

Linguistics 112a. Introduction to Syntactic Theory

Catalog Number: 7318

Cedric Boeckx



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

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

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

Continuation of 112a. Fundamental principles and parameters of Government and Binding Theory.

Note: Expected to be given in 2008–09.

Prerequisite: Linguistics 112a.

[Linguistics 114. Introduction to Morphology]

Catalog Number: 1289

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

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.

Note: Expected to be given in 2008–09.

Linguistics 115a (formerly Linguistics 115). Introduction to Phonetics and Phonology

Catalog Number: 2791

Andrew Nevins

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

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] - (New Course)

Catalog Number: 1549

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

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.

Note: Expected to be given in 2008–09.

Prerequisite: Linguistics 115a.



Linguistics 116a (formerly Linguistics 116). Introduction to Semantics

Catalog Number: 6115

Gennaro Chierchia

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

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.

[Linguistics 116b. Intermediate Semantics]

Catalog Number: 2118

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 2008–09.

Prerequisite: Linguistics 116a or equivalent.

Linguistics 117r. Linguistic Field Methods

Catalog Number: 8401

Maria Polinsky

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Instruction in the elicitation of phonological, morphological, and syntactic information from a native speaker of an unfamiliar language, toward 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.

Linguistics 120. Introduction to Historical Linguistics

Catalog Number: 8486

Jeremy Rau

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

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

Half course (fall 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 2008–09.



Linguistics 123. Indo-European Phonology and Morphology - (New Course)

Catalog Number: 6959

Jay Jasanoff

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

Designed as a sequel to Linguistics 122. A detailed overview of Indo-European comparative grammar, with emphasis on recent developments and discoveries.

[Linguistics 130. Psycholinguistics]

Catalog Number: 8966

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 2008–09.

Linguistics 132. Psychosemantics - (New Course)

Catalog Number: 6578

Gennaro Chierchia and Jesse Snedeker

Half course (spring term). F., 10–1. EXAM GROUP: 3, 4, 5

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.

Prerequisite: A background in psychology or linguistics; some acquaintance with both helpful but not necessary.

[Linguistics 145. Logical Form]

Catalog Number: 5755

Half course (fall 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 2008–09.

Linguistics 148. Language Universals - (New Course)

Catalog Number: 5455

Maria Polinsky

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

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 - (New Course)

Catalog Number: 9457

Andrew Nevins

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

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.

Prerequisite: Linguistics 110 or permission of instructor.

[Linguistics 158r. From Indo-European to Old Irish]

Catalog Number: 3801

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

Essentials of Celtic historical and comparative grammar.

Note: Expected to be given in 2008–09.

Prerequisite: Some acquaintance with either Indo-European or Old Irish.

Linguistics 168. Introduction to Germanic Linguistics

Catalog Number: 7925

Jay Jasanoff

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

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

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 2008–09.

Prerequisite: Linguistics 112a in previous or current term or permission of instructor.

[Linguistics 173. Linguistic Issues in the Teaching of Japanese]

Catalog Number: 4208



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 2008–09.

Prerequisite: Japanese 120b or its equivalent. Familiarity with basic linguistics concepts desirable.

Linguistics 174. Tense and Aspect in Japanese

Catalog Number: 1856

Wesley M. Jacobsen

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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.

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 Linguistics]

Catalog Number: 4029

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 2008–09.

Prerequisite: Linguistics 112a in previous or current term or permission of instructor.

[Linguistics 176. History and Prehistory of the Japanese Language]

Catalog Number: 4861

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

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.

Note: Expected to be given in 2008–09.

Prerequisite: Knowledge of Japanese equivalent to Japanese 120b, or familiarity with historical linguistics, or permission of the instructor.

Linguistics 188r (formerly Linguistics 188). Biolinguistics

Catalog Number: 2750

Cedric Boeckx

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

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.

Prerequisite: Linguistics 88 or permission of instructor.

Cross-listed Courses

English 101. The History and Structure of the English Language

Greek 134. The Language of Homer

[Latin 134. Archaic Latin]

***Psychology 1302. Psychology of Language**

Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages

[Slavic 125. Modern Russian in Historical Perspective]

[Slavic 126a. Structure of Modern Russian: Phonology and Morphology]

Primarily for Graduates

Linguistics 202r (formerly Linguistics 202). Advanced Syntax

Catalog Number: 8175

Cedric Boeckx

Half course (fall 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 (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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

Cedric Boeckx

Half course (fall term). Tu., 1–3. 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

Half course (spring 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 2008–09.

Linguistics 207 (formerly Linguistics 207r). Topics in Semantics

Catalog Number: 8812

Gennaro Chierchia

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

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 220ar. Advanced Indo-European

Catalog Number: 3428

Jay Jasanoff

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). Th., 1–3. EXAM GROUP: 15, 16

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

Half course (fall 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.

Note: Expected to be given in 2008–09.

Linguistics 225a. Introduction to Hittite

Catalog Number: 8206

Jeremy Rau

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

Grammar and reading of texts in cuneiform and in transliteration; essentials of the comparative grammar of the Indo-European languages of Anatolia.

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

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

Investigation of selected topics in Germanic historical linguistics.

Note: Expected to be given in 2008–09.

[Linguistics 250. Old Church Slavonic]

Catalog Number: 8449

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

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.

Note: Expected to be given in 2008–09.

[Linguistics 251. Advanced Readings in Church Slavonic Texts]

Catalog Number: 7038

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 2008–09.

Prerequisite: Linguistics 250.

Cross-listed Courses

[Arabic 240r. Classical Arabic Philology](#)

[Celtic 200. Introduction to Old Irish](#)

[Celtic 201. Continuing Old Irish](#)

[\[Celtic 225a. Introduction to Middle Welsh\]](#)

[Computer Science 287r. Natural Language Processing](#)

[\[Computer Science 288. Computational Models of Discourse\]](#)

[*Psychology 2280. Language and Human Nature](#)

[\[Slavic 201. Introduction to East Slavic Languages\]](#)

Graduate Courses of Reading and Research

***Linguistics 300. Direction of Doctoral Dissertations**

Catalog Number: 6729

Cedric Boeckx 4716, Sue Brown 2926 (spring term only), Alfonso Caramazza 1871, Gennaro Chierchia 5355, Michael S. Flier 2878 (on leave 2007-08), C.-T. James Huang 4066 (on leave fall term), Wesley M. Jacobsen 3443, Jay Jasanoff 1661, Andrew Nevins 5145, Steven Pinker 4733, 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

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*Acting Chair, fall term*) (*on leave spring term*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature (*Acting Chair, spring term*)

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave 2007-08*)

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

Theodor L. D'Haen, Erasmus Lecturer on the History and Civilization of the Netherlands and Flanders

James Engell, Gurney Professor of English Literature and Professor of Comparative Literature (*on leave fall term*)

Christopher D. Johnson, Associate Professor of Comparative Literature (*on leave 2007-08*)

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature (*Director of Studies*)

Gregory Nagy, Francis Jones Professor of Classical Greek Literature and Professor of Comparative Literature

Stephen Owen, James Bryant Conant University Professor (*on leave 2007-08*)

Judith Ryan, Robert K. and Dale J. Weary Professor of German and Comparative Literature

Marc Shell, Irving Babbitt Professor of Comparative Literature and Professor of English (*Director of Graduate Studies, Spring*)

Werner Sollors, Henry B. and Anne M. Cabot Professor of English Literature and Professor of African and African American Studies (*on leave spring term*)

Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities

Karen Thornber, Assistant Professor of Comparative Literature

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature, Harvard College Professor (*Director of Graduate Studies, Fall*)



Ruth R. Wisse, Harvard College Professor, 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 (*on leave 2007-08*)

Julie A. Buckler, Professor of Slavic Languages and Literatures

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 (*on leave fall term*)

Melissa Sara Feuerstein, Lecturer on Literature

Marjorie Garber, William R. Kenan, Jr. Professor of English and of Visual and Environmental Studies (*on leave spring term*)

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*on leave spring term*)

Rita B. Goldberg, Lecturer on Literature

Christopher D. Johnson, Associate Professor of Comparative Literature (*on leave 2007-08*)

Christie McDonald, Smith Professor of French Language and Literature and Professor 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 (*on leave 2007-08*)

Judith Ryan, Robert K. and Dale J. Weary Professor of German and 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 (*on leave spring term*)

Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature

Karen Thornber, Assistant Professor of Comparative Literature

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature, Harvard College Professor

Justin Weir, Professor of Slavic Languages and Literatures

Other Faculty Offering Instruction in the Department of Literature and Comparative Literature

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave spring term*)

William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment

Joanna Nizynska, Assistant Professor of Slavic Languages and Literatures

Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature



Primarily for Undergraduates

[Literature 10. Writing Across Cultures: Literatures of the World (to 1750)]

Catalog Number: 9074

Stephen Owen

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

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. Expected to be given in 2008–09.

Literature 11. Writing Across Cultures: Literatures of the World (from 1750 to the present) - (New Course)

Catalog Number: 4361

William Mills Todd III

Half course (spring term). M., 4–6, and a weekly section to be arranged. EXAM GROUP: 9

An overview of world literature in the modern period through a series of international styles and literary-ideological movements. In lectures, discussions, and close readings of theoretical and imaginative texts from around the world, we will examine "world literature" as an emerging concept in relation to such notions as national literature, ethnic literature, and global mass culture as well as in relation to such forces as censorship, propaganda, translation, centers, contact zones, and canon formation.

***Literature 12. Introduction to Literary Studies - (New Course)**

Catalog Number: 3548 Enrollment: Limited to 20.

Jacob M. Emery

Half course (fall term). M., 3–5.

Introduction to basic issues of literary culture. Questions to be considered include: What makes a piece of writing "literary"? How do different works demand different modes of reading and interpretation? What is the relationship between thought, language, and writing? How can we relate texts to a cultural and economic context? Direct engagement with theoretical and literary texts in wide range of genres. Authors include Plato, Euripides, Milton, Schiller, Marx, Tolstoy, 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.

Note: 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.

Note: 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.

Note: 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.

Note: 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.

Note: 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

Justin Weir

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

This course introduces students to theories of narrative by Jakobson, Chatman, Genette, Barthes, Brooks, Ricoeur, and others. Although the course is primarily theoretical, we will also consider several exemplary works of literature by Sterne, Tolstoy, Nabokov, Borges, and others.

Note: Expected to be given in 2008–09.



***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

Christopher D. Johnson

Half course (fall 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 2008–09.

[*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, the genre of the bi-cultural memoir, and the possibility of untranslatability. Final project involves an original translation and commentary.

Note: Expected to be given in 2008–09. Preference given to Literature concentrators.

Prerequisite: Reading knowledge of one foreign language.

Literature 115. Literature and the Environment - (New Course)

Catalog Number: 3677

Karen Thornber

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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.



***Literature 119. On Comparative Arts**

Catalog Number: 0078 Enrollment: Limited to 18.

Marc Shell and Daniel Albright

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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. Phenomenal Cosmic Powers: Adaptations, Transformations, and Translations of the 1001 Nights - (New Course)**

Catalog Number: 5879 Enrollment: Limited to 15.

Sandra Naddaff

Half course (fall term). M., 1–3.

Examines the way one of the foundational narrative texts is transformed for different media and genres. Focuses on a variety of films, illustrations/images, musical renditions, versions, and re-tellings of stories from the *1001 Nights*. Considers various translations (Galland, Burton); films (*The Thief of Baghdad*, *Il fiore delle mille e una notte*, *Aladdin*); music (Rimsky-Korsakov, *Kismet*); and literary works (Poe, Borges, Barth, Mahfouz).

[*Literature 140 (formerly *Literature 128). Performing Texts]

Catalog Number: 3404 Enrollment: Limited to 20.

Julie A. Buckler

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

Examines performance as its own subject in drama, opera, musical theater, film, and dance (e.g., *Tosca*, *The Red Shoes*, *The Seagull*), and as represented in verbal and visual art. Juxtaposes perspectives rendered by literature and the arts with theoretical readings in the emerging interdisciplinary and de-centered field of performance studies.

Note: Expected to be given in 2008–09.

[*Literature 143 (formerly *Literature 136). Writers and Their Medium]

Catalog Number: 5842 Enrollment: Limited to 20.

Verena A. Conley

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

Focuses on the relation between writers and the act of writing (Blanchot, Bernhard, Cixous, James, Joyce, Kafka, Kleist, Lispector, Rilke, Tsvetaeva and others). Focuses on the relation between writing, philosophy and psychoanalysis. Special attention will be paid to questions of gender, representation and performance.

Note: Expected to be given in 2008–09.

[*Literature 150 (formerly *Literature 140). Colonial and Post-Colonial Spaces: France-North Africa]

Catalog Number: 9366 Enrollment: Limited to 20.

Verena A. Conley



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

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 (Allouache, Bouraoui, Camus, Djébar, Fanon, Kateb Yacine, Mammeri, Memmi, Said, Sebbar, Tlatli and others). Special attention is given to problems of language, subjectivity, identity and citizenship, nation and community. Also examines the emergence of new cultural spaces in connection with postcolonial and global migrations in France and in Europe.

Note: Expected to be given in 2008–09.

Literature 153 (formerly Comparative Literature 153). Saul Bellow and the New York Intellectuals

Catalog Number: 2506

Ruth R. Wisse

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

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 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 2008–09. All readings in English translation.

[*Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

Catalog Number: 7426

Gregory Nagy

Half course (spring 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 2008–09. Knowledge of Greek not required.

[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 2008–09. Readers of Yiddish may take this course as Yiddish 200.

Literature 167 (formerly Comparative Literature 167). Contemporary Fiction: The Novel After Theory

Catalog Number: 1808

Judith Ryan

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

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 Süsskind, Graham Swift, and Christa Wolf. Theorists include: Barthes, Bhabha, Baudrillard, Derrida, Hassan, Lacan, and White.

[*Literature 172 (formerly *Comparative Literature 172). Paralysis]

Catalog Number: 8517

Marc Shell

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

How does paralysis inform aesthetics? Part One focuses on speech paralysis (*Hamlet*), hysterical paralysis (*Broken Glass*), and paralyzed rulers (FDR, Claudius). Part Two considers movement/stillness in painting (Kahlo, Masaccio) and cinema (*Rear Window*, *Breathing Lessons*) and examines first-person polio narratives. Texts also include history of medicine and film/literary theory.

Note: Expected to be given in 2008–09.

Literature 174. Empires Overseas: Colonial Literature and Postcolonial Theory - (New Course)

Catalog Number: 7844

Theodor L. D'Haen

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

In this course we will read a number of colonial classics from a postcolonial perspective. Next to English works by Shakespeare, Behn, Defoe, Charlotte Brontë, Kipling, Conrad, and Forster, among others, we will read some French texts by Montaigne, Gide, and Leiris, as well as Dutch texts by Multatuli, Couperus, Du Perron, and Dermoût. The latter will receive special emphasis. All works will be available in English translations.

Literature 178 (formerly Slavic 178). Trauma: Representation, Theory, Experience: Conference Course

Catalog Number: 9125

Joanna Nizynska

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16



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: All readings in English translation. All films subtitled.

[Literature 184. Imagining the City: Literature, Film, and the Arts] - (New Course)

Catalog Number: 2332

Giuliana Bruno and Svetlana Boym

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

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. The montage of imaginary cities traverses aspects of different urban environments. 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. Expected to be given in 2008–09.

***Literature 187r (formerly *Literature 187). Selected Topics in Poetics and Rhetoric: Seminar**

Catalog Number: 7999

Gregory Nagy

Half course (spring term). M., 2–4.

Points of departure: Aristotle's *Poetics* and *Rhetoric*.

Note: Knowledge of Greek not required.

Cross-listed Courses for Undergraduates

French 132a. 20th-Century French Fiction I: The Realist Mode

[French 132b. 20th-Century French Fiction II: The Experimental Mode]

French 137. 20th-Century French Theater

French 167. Parisian Cityscapes

[French 267. The Public Intellectual in France] - (New Course)

German 151. Franz Kafka: Modernity and Its Discontents

Modern Greek 145 (formerly Comparative Literature 145). Dreams and Literature - (New Course)

Yiddish 104. Faith and Reason in Modern Yiddish Literature - (New Course)

Primarily for Graduates



[*Comparative Literature 211. Mysticism and Literature: Seminar]

Catalog Number: 3867

Luis M. Girón Negrón

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

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 2008–09. Students admitted by permission of course head. Offered jointly with the Divinity School as 3802.

Comparative Literature 219. Modernism International - (New Course)

Catalog Number: 2989

Theodor L. D’Haen

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

In this course we will read a number of Modernist classics with an eye to tracing both common characteristics and national specificities. We will read works by W.B. Yeats, T.S. Eliot, E. Pound, W.C. Williams, P. Valéry, A. Gide, St. John Perse, R. M. Rilke, F. García Lorca, F. Pessoa, E. Montale, and Dutch-language poets A. Roland Holst, M. Nijhoff, J. Slauerhoff, H. Marsman, and P. van Ostaïjen. The latter will receive special emphasis. All works will be available in English translations.

Comparative Literature 230. The Poetics of Empire: Colonization, Translation, and Literary Rewriting - (New Course)

Catalog Number: 0694

Karen Thornber

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

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.

[Comparative Literature 241. Reading Spinoza and Leibniz with Gilles Deleuze]

Catalog Number: 1652

Christopher D. Johnson

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

“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 2008–09.

[*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 2008–09. 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. Memory and Modernity: Seminar]

Catalog Number: 6923 Enrollment: Limited to 15.

Svetlana Boym

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

Explores modern art of memory in literary, philosophical, and critical texts. Topics: nostalgia and search for newness, and ethics of remembering, modern “memory sites.” Special attention to contemporary East-European reflection on art, memory, and nation.

Note: Expected to be given in 2008–09. All texts available in English, but reading texts in the original is encouraged. Primarily for graduate students, but qualified undergraduates welcome.

[*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 2008–09. 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 (fall term). Hours to be arranged.

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 2008–09. Arabic helpful but not required. Undergraduates welcome.

Comparative Literature 264. Thinking and Writing Transculturally - (New Course)

Catalog Number: 6133

Karen Thornber

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



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.

[Comparative Literature 266 (formerly Literature 149). 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 2008–09.

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

Catalog Number: 2521

Svetlana Boym

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

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 2008–09. 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 2008–09. 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). Hours to be arranged.

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 2008–09.



Comparative Literature 288. Antiquity and Beyond: Modern Critical Theory and the Classics - (New Course)

Catalog Number: 7557

Panagiotis Roilos

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Explores the relevance of ancient literature for modern critical theory and the applicability of current theoretical discourses to classical texts and societies. Topics include: trafficability of art; ritual theory; sexuality; gender studies; irony; orality and literacy; construction of power.

***Comparative Literature 299ar. Theory and Comparative Literature: Proseminar**

Catalog Number: 2431

Marc Shell

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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

Classical Studies 272. Greek Tragedy and its Reception - (New Course)

***English 292. Issues in the Study of American Literature: Graduate Seminar**

French 264. France in the World: Cultural Production, Transmission and Dialogue - (New Course)

[French 267. The Public Intellectual in France] - (New Course)

Modern Greek 205. C.P. Cavafy: European Modernism and the Poetics of Desire - (New Course)

Graduate Courses of Reading and Research

***Comparative Literature 396. Preparation for the General Examinations**

Catalog Number: 4570

Svetlana Boym 1926 (on leave 2007-08), Joaquim-Francisco Coelho 7715, James Engell 8076 (on leave fall term), Luis M. Girón Negrón 3060 (on leave spring term), Christopher D. Johnson 4301 (on leave 2007-08), Gregory Nagy 1423, Stephen Owen 7418 (on leave 2007-08), Judith Ryan 1135, Marc Shell 3176, Werner Sollors 7424 (on leave spring term), Diana Sorensen 4214, Susan R. Suleiman 7234, Karen Thornber 5764, William Mills Todd III 1634, and Ruth R. Wisse 3177

***Comparative Literature 397. Direction of Doctoral Dissertations**

Catalog Number: 0320

Svetlana Boym 1926 (on leave 2007-08), Joaquim-Francisco Coelho 7715, James Engell 8076 (on leave fall term), Luis M. Girón Negrón 3060 (on leave spring term), William E. Granara 1054, Christopher D. Johnson 4301 (on leave 2007-08), Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418 (on leave 2007-08), Judith Ryan 1135, Marc Shell 3176, Werner



Sollors 7424 (on leave spring term), Diana Sorensen 4214, Susan R. Suleiman 7234, Karen Thornber 5764, William Mills Todd III 1634, and Ruth R. Wisse 3177

***Comparative Literature 399. Reading and Research**

Catalog Number: 2893

Svetlana Boym 1926 (on leave 2007-08), Joaquim-Francisco Coelho 7715, Verena A. Conley 2250, James Engell 8076 (on leave fall term), Luis M. Girón Negrón 3060 (on leave spring term), Christopher D. Johnson 4301 (on leave 2007-08), Sandra Naddaff 7779, Gregory Nagy 1423, Stephen Owen 7418 (on leave 2007-08), Judith Ryan 1135, Marc Shell 3176, Werner Sollors 7424 (on leave spring term), Diana Sorensen 4214, Susan R. Suleiman 7234, Karen Thornber 5764, William Mills Todd III 1634, 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.

Mathematics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Mathematics

Clifford Taubes, William Petschek Professor of Mathematics (*Chair*)

Paul G. Bamberg, Senior Lecturer on Mathematics

Bret J. Benesh, Preceptor in Mathematics, Contin Ed/Spec Prog Instructor

Lydia Rosina Bieri, Benjamin Peirce Lecturer on Mathematics

Sebastian B. Casalaina-Martin, Lecturer in Mathematics (*spring term only*)

Janet Chen, Preceptor in Mathematics

Danijela Damjanovic, Benjamin Peirce Lecturer on Mathematics

Samit Dasgupta, Benjamin Peirce Assistant Professor of Mathematics

Alberto De Sole, Benjamin Peirce Assistant Professor of Mathematics

John F. Duncan, Benjamin Peirce Lecturer on Mathematics

Noam D. Elkies, Professor of Mathematics, Associate of Lowell House (*on leave 2007-08*)

Dennis Gaitsgory, Professor of Mathematics (*on leave spring term*)

Véronique Godin, Benjamin Peirce Assistant Professor of Mathematics

Thomas Goodwillie, Visiting Professor of Mathematics, Visiting Scholar in Mathematics (*Brown University*) (*spring term only*)

Robin Gottlieb, Professor of the Practice in the Teaching of Mathematics

Benedict H. Gross, George Vasmer Leverett Professor of Mathematics, Dean of Harvard College

John T. Hall, Preceptor in Mathematics

Joseph D. Harris, Higgins Professor of Mathematics



Michael J. Hopkins, Professor of Mathematics
 Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science
 Thomas W. Judson, Preceptor in Mathematics, Contin Ed/Spec Prog Instructor
 Oliver Knill, Preceptor in Mathematics
 Toshiyuki Kobayashi, Visiting Professor of Mathematics (*University of Tokyo*) (*spring term only*)
 Peter B. Kronheimer, William Caspar Graustein Professor of Mathematics (*Director of Undergraduate Studies*)
 Thomas Lam, Benjamin Peirce Assistant Professor of Mathematics (*on leave spring term*)
 Matthew P. Leingang, Preceptor in Mathematics
 Barry C. Mazur, Gerhard Gade University Professor (*on leave spring term*)
 Curtis T. McMullen, Maria Moors Cabot Professor of the Natural Sciences (*on leave spring term*)
 Brian Munson, Lecturer in Mathematics
 Andreea C. Nicoara, Benjamin Peirce Assistant Professor of Mathematics, Fellow in the Department of Mathematics (*fall term only*)
 Martin A. Nowak, Professor of Mathematics and of Biology (*on leave fall term*)
 Rehana Patel, Preceptor in Mathematics
 Gerald E. Sacks, Professor of Mathematical Logic (*on leave fall term*)
 Pedram Safari, Lecturer in Mathematics (*fall term only*)
 Wilfried Schmid, Dwight Parker Robinson Professor of Mathematics (*on leave 2007-08*)
 Lior Silberman, Benjamin Peirce Assistant Professor of Mathematics (*on leave 2007-08*)
 Yum Tong Siu, William Elwood Byerly Professor of Mathematics (*on leave fall term*)
 Shlomo Z. Sternberg, George Putnam Professor of Pure and Applied Mathematics
 Robert M. Strain, Benjamin Peirce Assistant Professor of Mathematics
 Richard L. Taylor, Herchel Smith Professor of Mathematics (*Director of Graduate Studies*)
 Benjamin Weinkove, Benjamin Peirce Assistant Professor of Mathematics
 Lauren K. Williams, Benjamin Peirce Assistant Professor of Mathematics (*on leave spring term*)
 Horng-Tzer Yau, Professor of Mathematics (*on leave spring term*)
 Shing-Tung Yau, William Caspar Graustein Professor of Mathematics

Other Faculty Offering Instruction in Mathematics

Peter Koellner, Associate Professor of Philosophy

The Mathematics Department recommends that all students 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, and 21a,b. The Harvard Mathematics Placement Test results recommend the appropriate starting level course, either Mathematics Xa, 1a, 1b, or 21. Recommendation for Mathematics 21 is sufficient qualification for Mathematics 19a,b, 20, 21a, 23a, and 25a.



In any event, 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 Xa, Xb, 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 particular interest in, and commitment to, mathematics. They assume a solid understanding of one-variable calculus and 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 Xa. Introduction to Functions and Calculus I

Catalog Number: 1981 Enrollment: Normally limited to 15 students per section.

Bret J. Benesh, Samit Dasgupta, John T. Hall, 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). EXAM GROUP: 1

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: Monday, September 17, 8:30 am, Science Center D. Participation in a one and a half hour workshop is required each week, as well as required participation in a one hour problem session each week. The sequence Xa, Xb gives solid preparation for Mathematics 1b. This course, when taken for a letter grade together with Mathematics Xb, meets the Core area requirement for Quantitative Reasoning.

Mathematics Xb. Introduction to Functions and Calculus II

Catalog Number: 3857 Enrollment: Normally limited to 15 students per section.

Bret J. Benesh, John T. Hall, Brian Munson, 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, as well as required participation in a one hour problem session each week. This course, when taken for a letter grade together with Mathematics Xa, meets the Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics Xa.

Mathematics 1a. Introduction to Calculus

Catalog Number: 8434 Enrollment: Normally limited to 30 students per section.

Matthew P. Leingang, John Duncan, and Rehana Patel (fall term); Matthew P. Leingang (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; Section II, Tu., Th. 10–11:30 (with sufficient enrollment) 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 optimization, graphing, mechanisms, and problems from many other disciplines.

Note: Required first meeting in fall: Tuesday, September 18, 8:30 am, Science Center B. This course, when taken for a letter grade, meets 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.

Thomas W. Judson, Danijela Damjanovic, John T. Hall, Brian Munson, and Robert Strain (fall term); Robin Gottlieb, Bret Benesh, and Lydia Bieri (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, 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: Monday, September 17, 8:30 am, Science Center C. Required first meeting in spring: Wednesday, January 30, 8:30 am, Science Center A. This course, when taken for a letter grade, meets the Core area requirement for Quantitative



Reasoning.

Prerequisite: Mathematics 1a, or Xa and Xb, or equivalent.

Mathematics 19a. Modeling and Differential Equations for the Life Sciences

Catalog Number: 1256

Thomas W. Judson (fall term); 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 Core area requirement for Quantitative Reasoning.

Mathematics 19b. Linear Algebra, Probability, and Statistics for the Life Sciences

Catalog Number: 6144

Clifford Taubes

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 Core area requirement for Quantitative Reasoning.

Mathematics 20. Algebra and Multivariable Mathematics for Social Sciences

Catalog Number: 0906

Matthew P. Leingang (fall term); Rehana Patel (spring term)

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

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 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, Véronique Godin, and Rehana Patel (fall term); Thomas Judson, and Matthew P. Leingang (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; 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: Tuesday, September 18, 8:30 am, Science Center C.

Required first meeting in spring: Wednesday, January 30, 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 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.

Yum Tong Siu (fall term); Oliver Knill, Samit Dasgupta, and Rehana Patel (spring term)

Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 10; Section II: M., W., F., at 11; Section III: M., W., F., at 12 (with sufficient enrollment); 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: Required first meeting in fall: Monday, September 17, 8:30 am, Science Center A.

Required first meeting in spring: Wednesday, January 30, 8:30 am, Science Center D. May not be taken for credit by students who have passed Applied Mathematics 21b. This course, when taken for a letter grade, meets 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). M., W., F., at 11, and a weekly conference section to be arranged. EXAM GROUP: 4

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 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). M., W., F., at 11, and a weekly conference section to be arranged. EXAM GROUP: 4

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 Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a.

Mathematics 25a. Honors Linear Algebra and Real Analysis I

Catalog Number: 1525

Benjamin Weinkove

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 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

Benjamin Weinkove

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 Core area requirement for Quantitative Reasoning.

Prerequisite: Mathematics 23a or 25a or 55a.

***Mathematics 55a. Honors Abstract Algebra**

Catalog Number: 4068

Dennis Gaitsgory

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

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 Core area requirement for Quantitative Reasoning.

Mathematics 55b. Honors Real and Complex Analysis

Catalog Number: 3312

Samit Dasgupta

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

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 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.

Topics for 2007-08: (1) Random graphs (fall), prerequisite: Math 122 or familiarity with abstract linear algebra and group theory. Knowledge of elementary probability theory helpful, but not required. (2) Clifford algebras and spinors (spring), prerequisite: Math 122 or familiarity with abstract linear algebra, groups and group actions.

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

John F. Duncan

Half course (fall 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.

Prerequisite: An interest in mathematical reasoning.

Mathematics 106. Ordinary Differential Equations

Catalog Number: 3377

Thomas W. Judson

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

Analytic, numerical, and qualitative analysis of ordinary differential equations. Linear equations, linear and non-linear systems. Applications to mechanics, biology, physics, and the social sciences. Existence and uniqueness of solutions and visual analysis using computer graphics.

Topics selected from Laplace transforms, power series solutions, chaos, and numerical solutions.

Prerequisite: Mathematics 19a,b, 20 or 21a.

Mathematics 112. Introductory Real Analysis

Catalog Number: 1123

Danijela Damjanovic

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

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

Robert M. Strain

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 - (New Course)

Catalog Number: 9111

Curtis T. McMullen

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

Wilfried Schmid

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

Complex functions; Fourier analysis; Hilbert spaces and operators; Laplace's equations; Bessel and Legendre functions; symmetries; Sturm-Liouville theory.

Note: Expected to be given in 2008–09. 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., 2:30–4. EXAM GROUP: 16, 17

Introduction to real and functional analysis through topics such as convex programming, duality theory, linear and non-linear programming, calculus of variations, and the maximum principle of optimal control theory.

Prerequisite: At least one course beyond Mathematics 21.

Mathematics 121. Linear Algebra and Applications

Catalog Number: 7009

Lydia R. Bieri

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

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

Alberto DeSole

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

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

Alberto De Sole

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

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

Joseph D. Harris

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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

Richard L. Taylor

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

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

Peter B. Kronheimer

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

Euclidean, spherical and hyperbolic geometry. No prior experience with proofs required.



Note: Not expected to be given 2008-09.

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

Véronique Godin

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 - (New Course)

Catalog Number: 7725

Véronique Godin

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

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

Shlomo Z. Sternberg

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

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

John F. Duncan

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). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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. Unsolvable problems. Computable functions and Turing machines. Recursively enumerable sets. Transfinite induction.

Note: Expected to be given in 2008–09.



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). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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: Not expected to be given 2008-09.

Prerequisite: Any mathematics course at the level of 21a or higher, or permission of instructor.

Mathematics 152. Discrete Mathematics

Catalog Number: 8389

Bret J. Benesh

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 Enrollment: Limited to 30.

Martin A. Nowak

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

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.

Note: Expected to be given in 2008–09.

Prerequisite: Mathematics 21a,b, Biological Sciences 50 and 53 or equivalent.

Mathematics 154 (formerly Mathematics 191). Probability Theory

Catalog Number: 4306

Paul G. Bamberg

Half course (spring term). Tu., Th., 4–5:30. EXAM GROUP: 18

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.



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

Lauren K. Williams

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

Topics include enumerative and algebraic combinatorics related to representations of the symmetric group, symmetric functions, and Young tableaux.

Prerequisite: Mathematics 122 (or equivalent). Knowledge of representation theory of finite groups will be helpful.

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

***Freshman Seminar 26k. Euclidean Lattices and Sphere Packings**

***Freshman Seminar 26s. Mathematical Structures - (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). M., W., F., at 10. EXAM GROUP: 3

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

Shlomo Z. Sternberg

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

Andreea C. Nicoara

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

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

Shing-Tung Yau

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

Fundamentals of Riemann surfaces. Topics may include sheaves and cohomology, potential theory, uniformization, and moduli.

Prerequisite: Mathematics 213a.

Mathematics 221. Commutative Algebra - (New Course)

Catalog Number: 8320

Thomas Lam

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

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

Lie theory, including the classification of semi-simple Lie algebras and/or compact Lie groups and their representations.

Note: Expected to be given in 2008–09.

Prerequisite: Mathematics 114, 123 and 132.

[Mathematics 223a. (formerly Mathematics 251a.) Algebraic Number Theory]

Catalog Number: 8652

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 2008–09.

Prerequisite: Mathematics 129.

[Mathematics 223b. (formerly Mathematics 251b.) Algebraic Number Theory]

Catalog Number: 2783

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 2008–09.

Prerequisite: Mathematics 223a.



Mathematics 230a. Differential Geometry

Catalog Number: 0372

Shing-Tung Yau

Half course (fall term). M., W., F., at 2. EXAM GROUP: 7

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

Shing-Tung Yau

Half course (spring term). M., W., F., at 2. EXAM GROUP: 7

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

Danijela Damjanovic

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

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

Michael J. Hopkins

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

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

Peter B. Kronheimer

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

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



Sebastian B. Casalaina-Martin

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

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

Barry C. Mazur

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

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

Sebastian B. Casalaina-Martin

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

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 244. Advanced Set Theory - (New Course)

Catalog Number: 3138

Peter Koellner

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

Inner models of large cardinal axioms, focusing on recent work on inner models for large cardinals at the level of supercompact and beyond. Topics include: Continuum Hypothesis and Omega Conjecture.

Prerequisite: Course in Set Theory or permission of the instructor.

Mathematics 262. Manifolds and Homotopy Theory

Catalog Number: 5564

Thomas Goodwillie (Brown University)

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

Possible topics: Whitney's embedding theorem and generalizations, the h-cobordism theorem and generalizations, surgery theory, and calculus of functors. Pace and emphasis of course may depend on the background and interest of the participants.



Mathematics 265. Infinite Dimensional Lie Algebras

Catalog Number: 3191

Alberto De Sole

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

A detailed introduction to the structure and the representation theory of some important infinite-dimensional Lie algebras: the Heisenberg algebra, the Virasoro algebra and the affine Kac-Moody algebras.

Mathematics 271. Introduction to the Mathematics of General Relativity

Catalog Number: 2400

Lydia Bieri

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

A focus on the Einstein field equations within GR. Brief review of SR and fundamentals from differential geometry. Discussion of Schwarzschild solution, black holes, energy-momentum tensor, non-localizability of gravitational energy, isolated gravitating systems.

Mathematics 273. Topics in Analysis and Mathematical Physics

Catalog Number: 7810

Shlomo Z. Sternberg

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

Possible choices: exact models in statistical mechanics, asymptotic analysis, or supersymmetry.

Mathematics 275. Multiplicity-Free Representations: Complex Geometric Methods in Representation Theory

Catalog Number: 0818

Toshiyuki Kobayashi (Research Institute for Mathematical Sciences, Kyoto)

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

Explanation of complex geometric methods such as reproducing kernels and "visible actions" for the study of infinite dimensional representations. From this viewpoint, various examples of multiplicity-free representations of Lie groups will be discussed.

Mathematics 282. Introduction to Seiberg-Witten Theory

Catalog Number: 8399

Pedram Safari

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

Rudiments of Seiberg-Witten moduli spaces and invariants, including a review of gauge theory techniques. Selected applications to the geometry and topology of 4-manifolds.

Mathematics 283. Topics in Knot Theory

Catalog Number: 7877

Brian Munson

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

The Conway polynomial, the Jones polynomial, Khovanov homology, Vassiliev and finite type invariants, and configuration space methods. A discussion of links and their generalizations to higher dimensions.



Mathematics 287. Algebraic Curves

Catalog Number: 7465

Joseph D. Harris

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

A development of the theory of algebraic curves/Riemann surfaces, touching on many of the classical aspects of their geometry. A focus on developing current research topics.

Mathematics 288. Algebraic K-Theory

Catalog Number: 5052

Michael J. Hopkins

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

Begins with some of the classical invariants of algebraic topology (like the finiteness obstruction, simple homotopy, Reidemeister torsion) and locate them in "algebraic K-theory." More advanced topics will include Quillen K-groups, computations, Waldhausen K-theory.

Mathematics 299r. Graduate Tutorial in Geometry - (New Course)

Catalog Number: 8799

Clifford Taubes and members of the Department

Half course (spring term). Section 1: TTh 1-2:30; Section 2: MWF at 11. EXAM GROUP: 15, 16

Tutorial 1: Applications of Seiberg-Witten Theory. Applications of Seiberg-Witten theory, Floer homology and refinements to geometry and topology of 3-and 4-manifolds, including algebraic and symplectic manifolds and contact manifolds. Tutorial 2: Elliptic Surfaces. Self-contained introduction to the modern theory of elliptic surfaces for ground fields of characteristic zero and of positive characteristic. An in-depth analysis will be devoted to rational elliptic surfaces and elliptic K3 surfaces.

Graduate Courses of Reading and Research

[*Mathematics 301. Theory and Practice of Teaching in the Mathematical Sciences]

Catalog Number: 4344

Note: Expected to be given in 2008–09.

***Mathematics 302. Topics in Dynamics of Group Actions**

Catalog Number: 5763

Danijela Damjanovic 5583

***Mathematics 304. Topics in Algebraic Topology**

Catalog Number: 0689

Michael J. Hopkins 4376

***Mathematics 307. Topics in Differential Geometry and Partial Differential Equations**

Catalog Number: 5133

Benjamin Weinkove 4942



***Mathematics 308. Topics in Number Theory and Modular Forms**

Catalog Number: 0464

Benedict H. Gross 1112

***Mathematics 310. Topics in Number Theory**

Catalog Number: 3874

Samit Dasgupta 5030

***Mathematics 314. Topics in Differential Geometry and Mathematical Physics**

Catalog Number: 2743

Shlomo Z. Sternberg 1965

***Mathematics 318. Topics in Number Theory**

Catalog Number: 7393

Barry C. Mazur 1975 (on leave spring term)

***Mathematics 319. Topics in Representation Theory**

Catalog Number: 9591

John F. Duncan 5505

***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 (on leave fall term)

***Mathematics 328. Topics in Lie Algebra**

Catalog Number: 7003

Alberto De Sole 4627

***Mathematics 333. Topics in Complex Analysis, Dynamics and Geometry**

Catalog Number: 9401

Curtis T. McMullen 3588 (on leave spring term)

***Mathematics 335. Topics in Differential Geometry and Analysis**

Catalog Number: 5498

Clifford Taubes 1243

***Mathematics 342. Topics in Combinatorics**

Catalog Number: 0751

Thomas Lam 5322 (on leave spring term)



***Mathematics 345. Topics in Geometry and Topology**

Catalog Number: 4108
Peter B. Kronheimer 1759

***Mathematics 346y. Topics in Analysis: Quantum Dynamics**

Catalog Number: 1053
Horng-Tzer Yau 5260 (on leave spring term)

***Mathematics 347. Topics in Floer Homology and Low Dimensional Topology**

Catalog Number: 7227
Eaman Eftekhary 5045

***Mathematics 350. Topics in Mathematical Logic**

Catalog Number: 5151
Gerald E. Sacks 3862 (on leave fall term)

***Mathematics 351. Topics in Algebraic Number Theory**

Catalog Number: 3492
Richard L. Taylor 1453

***Mathematics 356. Topics in Harmonic Analysis**

Catalog Number: 6534
Wilfried Schmid 5097 (on leave 2007-08)

***Mathematics 365. Topics in Differential Geometry**

Catalog Number: 4647
Shing-Tung Yau 1734

***Mathematics 371. Topics in Partial Differential Equations and Mathematical Physics**

Catalog Number: 0777
Robert M. Strain 5323

***Mathematics 372. Topics in Mathematical Relativity**

Catalog Number: 1150
Lydia Rosina Bieri 5794

***Mathematics 379. Topics in Combinatorics**

Catalog Number: 3390
Lauren K. Williams 5499 (on leave spring term)

***Mathematics 381. Introduction to Geometric Representation Theory**

Catalog Number: 0800
Dennis Gaitsgory 5259 (on leave spring term)



***Mathematics 382. Topics in Algebraic Geometry**

Catalog Number: 2037

Joseph D. Harris 2055

***Mathematics 383. Topics in Algebraic Geometry**

Catalog Number: 7736

Ilia Zharkov 4631

***Mathematics 384. Topics in Automorphic Forms**

Catalog Number: 8009

Lior Silberman 5506 (on leave 2007-08)

***Mathematics 388. Topics in Mathematics and Biology**

Catalog Number: 4687

Martin A. Nowak 4568 (on leave fall term)

***Mathematics 389. Topics in Number Theory**

Catalog Number: 6851

Noam D. Elkies 2604 (on leave 2007-08)

***Mathematics 398. Topics in Algebraic and Geometric Topology**

Catalog Number: 0863

Véronique Godin 5311

Medical Sciences

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Medical Sciences

Thomas M. Roberts, Professor of Pathology and Dean of the Division of Medical Sciences
(*Medical School*) (*Chair*)

Nancy Andrews, George Richards Minot Professor of Pediatrics (*Medical School*)

Michael C. Carroll, Professor of Pediatrics (*Medical School*)

Susan M. Dymecki, Associate Professor of Genetics (*Medical School*)

Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental
Biology

Thomas O. Fox, Associate Professor of Neuroscience (*Medical School*) (*ex officio*)

Dana Gabuzda, Professor of Neurology (*Medical School*)

Edward E. Harlow, Virginia and D.K. Ludwig Professor of Cancer Research and Teaching



(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)*

Rosalind A. Segal, Professor of Neurobiology *(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)*

Gary I. Yellen, Professor of Neurobiology *(Medical School)*

Other Faculty Offering Instruction in the Division of Medical Sciences

Kami Ahmad, Assistant Professor of Biological Chemistry and Molecular Pharmacology *(Medical School)*

Koichi Akashi, Associate Professor of Pathology *(Medical School)*

Chester Alper, Professor of Pediatrics *(Medical School)*

Frederick W. Alt, Charles A. Janeway Professor of Pediatrics *(Medical School)*

Marcus Altfeld, Associate Professor of Medicine *(Medical School)*

David M. Altshuler, Associate Professor of Genetics and of Medicine *(Medical School)*

Paul J. Anderson, K. Frank Austen Professor of Medicine *(Medical School)*

Jonathan P. Arm, Associate Professor of Medicine *(Medical School)*

Scott A. Armstrong, Assistant Professor of Pediatrics *(Medical School)*

Spyros Artavanis-Tsakonas, Kurt J. Isselbacher/Peter D. Schwartz Professor of Cell Biology *(Medical School)*

John A. Assad, Professor of Neurobiology *(Medical School)*

Jon Christopher Aster, Associate Professor of Pathology *(Medical School)*

Dennis A. Ausiello, Jackson Professor of Clinical Medicine *(Medical School)*

K. Frank Austen, Astrazeneca Professor of Respiratory and Inflammatory Diseases *(Medical School)*

Frederick Ausubel, Professor of Genetics *(Medical School)*

Tomer Avidor-Reiss, Assistant Professor of Cell Biology *(Medical School)*

Dan Hung Barouch, Associate Professor of Medicine *(Medical School)*

Bruce P. Bean, Professor of Neurobiology *(Medical School)*

Jonathan R. Beckwith, American Cancer Society Professor of Microbiology and Molecular Genetics *(Medical School)*

Alan H. Beggs, Associate Professor of Pediatrics *(Medical School)*

Samuel M. Behar, Associate Professor of Medicine *(Medical School)*

David R. Beier, Professor of Medicine *(Medical School)*

Welcome W. Bender, Harold T. White Professor of Biological Chemistry and Molecular Pharmacology *(Medical School)*

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Laura E. Benjamin, Associate Professor of Pathology *(Medical School)*



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(*Medical School*)
 Christophe O. Benoist, Professor of Medicine (*Medical School*)
 Larry I. Benowitz, Associate Professor of Neurosurgery (*Medical School*)
 Jack Bergman, Associate Professor of Psychobiology (*Medical School*)
 Thomas G. Bernhardt, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Bradley E. Bernstein, Assistant Professor of Pathology (*Medical School*)
 Antonio C. Bianco, Associate Professor of Medicine (*Medical School*)
 Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
 T. Keith Blackwell, Associate Professor of Pathology (*Medical School*)
 John Blenis, Professor of Cell Biology (*Medical School*)
 Michael Demian Blower, Assistant Professor of Genetics (*Medical School*)
 Richard S. Blumberg, Professor of Medicine (*Medical School*)
 Marianne Boes, Assistant Professor of Dermatology (*Medical School*)
 Vadim Bolshakov, Associate Professor of Psychiatry (*Medical School*)
 Azad Bonni, Associate Professor of Pathology (*Medical School*)
 Joseph Vincent Bonventre, Robert H. Ebert Professor of Medicine and Health Sciences and Technology (*Medical School*)
 Richard T. Born, Professor of Neurobiology (*Medical School*)
 Xandra O. Breakefield, Professor of Neurology (*Medical School*)
 Michael B. Brenner, Theodore Bevier Bayles Professor of Medicine (*Medical School*)
 Dennis Brown, Professor of Medicine (*Medical School*)
 Emery N. Brown, Massachusetts General Hospital Professor of Anesthesia (*Medical School*)
 Myles A. Brown, Associate Professor of Medicine (*Medical School*)
 Robert H. Brown, Professor of Neurology (*Medical School*)
 Joan S. Brugge, Professor of Cell Biology (*Medical School*)
 Martha L. Bulyk, Associate Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)
 H. Franklin Bunn, Professor of Medicine (*Medical School*)
 Stephen Buratowski, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Rami Burstein, Associate Professor of Anaesthesia (*Medical School*)
 S. Barak Caine, Associate Professor of Psychology (*Medical School*)
 James J. Campbell, Assistant Professor of Dermatology (*Medical School*)
 Lewis C. Cantley, William Bosworth Castle Professor of Medicine and Professor of Systems Biology (*Medical School*)
 Alan B. Cantor, Assistant Professor of Pediatrics (*Medical School*)
 Harvey Cantor, Professor of Pathology (*Medical School*)
 William A. Carlezon, Associate Professor of Psychiatry (*Medical School*)
 Charles B. Carpenter, Professor of Medicine (*Medical School*)
 Christopher L. Carpenter, Associate Professor of Medicine (*Medical School*)
 Constance L. Cepko, Professor of Genetics (*Medical School*)
 Joanne Chan, Assistant Professor of Surgery (*Medical School*)
 Chinfei Chen, Assistant Professor of Neurology (*Medical School*)
 Dong Feng Chen, Assistant Professor of Ophthalmology (*Medical School*)



Zheng-Yi Chen, Assistant Professor of Neurology (*Medical School*)
 Andrew J. Chess, Associate Professor of Medicine (*Medical School*)
 Kenneth R. Chien, Charles Addison & Elizabeth Ann Sanders Professor of Medicine (*Medical School*)
 Lynda Chin, Associate Professor of Dermatology (*Medical School*)
 James J. Chou, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 George M. Church, Professor of Genetics (*Medical School*)
 Karen M. Cichowski, Assistant Professor of Medicine (*Medical School*)
 David E. Clapham, Arlo R. Castaneda Professor of Cardiovascular Research (*Medical School*)
 Jon Clardy, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Donald M. Coen, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 David E. Cohen, Associate Professor of Medicine and Health Sciences and Technology (*Medical School*)
 Jonathan B. Cohen, Professor of Neurobiology (*Medical School*)
 Monica P. Colaiacovo, Assistant Professor of Genetics (*Medical School*)
 R. John Collier, Maude and Lillian Presley Professor of Microbiology and Molecular Genetics (*Medical School*)
 David P. Corey, Professor of Neurobiology (*Medical School*)
 Gabriel Corfas, Associate Professor of Neurology (*Medical School*)
 Douglas Allen Cotanche, Associate Professor of Otolaryngology (*Medical School*)
 William Francis Crowley, Professor of Medicine (*Medical School*)
 Clyde S. Crumpacker II, Professor of Medicine (*Medical School*)
 James M. Cunningham, Associate Professor of Medicine (*Medical School*)
 Gary Craig Curhan, Associate Professor of Medicine (*Medical School*)
 Charles A. Czeisler, Frank Baldino, Jr., PhD, Professor of Sleep Medicine (*Medical School*)
 Patricia A. D'Amore, Professor of Ophthalmology (*Medical School*)
 Alan D. D'Andrea, Alvan T. and Viola D. Fuller American Cancer Society Professor of Radiation Oncology (*Medical School*)
 George Q. Daley, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Nika Danial, Assistant Professor of Pathology (*Medical School*)
 Alan J. Davidson, Assistant Professor of Medicine (*Medical School*)
 James A. DeCaprio, Associate Professor of Medicine (*Medical School*)
 Ronald A. DePinho, Professor of Medicine (*Medical School*)
 Ronald C. Desrosiers, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Charles J. Dimitroff, Assistant Professor of Dermatology (*Medical School*)
 Martin E. Dorf, Professor of Pathology (*Medical School*)
 Philip R. Dormitzer, Assistant Professor of Pediatrics (*Medical School*)
 Simon L. Dove, Assistant Professor of Pediatrics (*Medical School*)
 John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)
 Glenn Dranoff, Associate Professor of Medicine (*Medical School*)
 Iain A. Drummond, Assistant Professor of Medicine (*Medical School*)
 Catherine Dulac, Higgins Professor of Molecular and Cellular Biology



Susan M. Dymecki, Associate Professor of Genetics (*Medical School*)
 Nicholas J. Dyson, Professor of Medicine (*Medical School*)
 Ruth Anne Eatock, Associate Professor of Otolaryngology (*Medical School*)
 Michael J. Eck, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Ulrike Sophie Eggert, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Elaine A. Elion, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Stephen J. Elledge, Gregor Mendel Professor of Genetics and of Medicine (*Medical School*)
 Alan N. Engelman, Associate Professor of Pathology (*Medical School*)
 Florian Engert, Associate Professor of Molecular and Cellular Biology
 Elizabeth C. Engle, Associate Professor of Neurology (*Medical School*)
 Myron Essex, Mary Woodard Lasker Professor of Health Sciences (*Public Health*)
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 Mark Adrian Exley, Assistant Professor of Medicine (*Medical School*)
 Michela Fagiolini, Assistant Professor of Neurology (*Medical School*)
 Michael R. Farzan, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Mel B. Feany, Associate Professor of Pathology (*Medical School*)
 Joyce D. Fingerioth, Associate Professor of Medicine (*Medical School*)
 Daniel Finley, Professor of Cell Biology (*Medical School*)
 David E. Fisher, Margaret M. Dyson Professor of Pediatrics (*Medical School*)
 John G. Flanagan, Professor of Cell Biology (*Medical School*)
 Mark Daniel Fleming, Associate Professor of Pathology (*Medical School*)
 David A. Frank, Assistant Professor of Medicine (*Medical School*)
 Steven D. Freedman, Associate Professor of Medicine (*Medical School*)
 Michael R. Freeman, Associate Professor of Surgery (*Medical School*)
 Matthew P. Frosch, Assistant Professor of Pathology (*Medical School*)
 Dana Gabuzda, Professor of Neurology (*Medical School*)
 Guillermo Garcia-Cardena, Assistant Professor of Pathology (*Medical School*)
 Rachele Gaudet, Associate Professor of Molecular and Cellular Biology, Co-Head Tutor in Biochemical Sciences
 Raif S. Geha, James L. Gamble Professor of Pediatrics (*Medical School*)
 Lee Gehrke, Professor of Health Sciences and Technology (*Medical School*)
 Niels Geijsen, Assistant Professor of Medicine (*Medical School*)
 Katia Georgopoulos, Professor of Dermatology (*Medical School*)
 Anne Giersch, Assistant Professor of Pathology (*Medical School*)
 D. Gary Gilliland, Professor of Medicine (*Medical School*)
 Michael A. Gimbrone, Elsie T. Friedman Professor of Pathology (*Medical School*)
 Laurie H. Glimcher, Professor of Medicine (*Medical School*) and Irene Heinz Given Professor of Immunology (*Public Health*)
 David E. Golan, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Alfred L. Goldberg, Professor of Cell Biology (*Medical School*)
 Marcia Goldberg, Associate Professor of Medicine (*Medical School*)



Anne E. Goldfeld, Associate Professor of Medicine (*Medical School*)
 Daniel A. Goodenough, Takeda Professor of Cell Biology (*Medical School*)
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 Nathanael Gray, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Michael E. Greenberg, Professor of Neurology (*Medical School*)
 Richard Ian Gregory, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Michael Grusby, Professor of Molecular Immunology (*Public Health*) and Associate Professor of Medicine (*Medical School*)
 Chenghua Gu, Assistant Professor of Neurobiology (*Medical School*)
 James Gusella, Bullard Professor of Neurogenetics (*Medical School*)
 Emanuela Gussoni, Assistant Professor of Pediatrics (*Medical School*)
 Steven P. Gygi, Associate Professor of Cell Biology (*Medical School*)
 Daniel A. Haber, Laurel Schwartz Professor of Medicine (*Medical School*)
 Nir Hacohen, Assistant Professor of Medicine (*Medical School*)
 David Hafler, Jack, Sadie, and David Breakstone Professor of Neurology (*Medical School*)
 William C. Hahn, Associate Professor of Medicine (*Medical School*)
 Marcia C. Haigis, Assistant Professor of Pathology (*Medical School*)
 Donald A. Harn, Professor of Tropical Public Health (*Public Health*)
 J. Wade Harper, Bert and Natalie Vallee Professor of Molecular Pathology (*Medical School*)
 Anne C. Hart, Associate Professor of Pathology (*Medical School*)
 Xi He, Associate Professor of Neurology (*Medical School*)
 Zhigang He, Associate Professor of Neurology (*Medical School*)
 Martin E. Hemler, Professor of Pathology (*Medical School*)
 Darren E. Higgins, Associate Professor of Microbiology and Molecular Genetics (*Medical School*)
 Jonathan M. G. Higgins, Assistant Professor of Medicine (*Medical School*)
 Martin S. Hirsch, Professor of Medicine (*Medical School*) and Professor of Immunology and Infectious Diseases (*Public Health*) (*Medical School*)
 Joel N. Hirschhorn, Associate Professor of Genetics (*Medical School*)
 I-Cheng Ho, Associate Professor of Medicine (*Medical School*)
 Ann Hochschild, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Hanno Reinhard Hock, Assistant Professor of Medicine (*Medical School*)
 James M. Hogle, Edward S. Harkness Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Bruce H. Horwitz, Assistant Professor of Pediatrics (*Medical School*)
 Victor Wee Hsu, Associate Professor of Medicine (*Medical School*)
 Guo-Fu Hu, Assistant Professor of Pathology (*Medical School*)
 Deborah Tan Hung, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Bradley T. Hyman, John B. Penny, Jr. Professor of Neurology (*Medical School*)
 John J. Iacomini, Associate Professor of Surgery (*Medical School*)
 Donald E. Ingber, Judah Folkman Professor of Vascular Biology (*Medical School*)
 Ole S. Isacson, Professor of Neurology (*Medical School*)
 Joseph E. Italiano, Assistant Professor of Medicine (*Medical School*)



Laurie Jackson-Grusby, Assistant Professor of Pathology (*Medical School*)
 Rakesh K. Jain, A. Werk Cook Professor of Radiation Oncology (*Medical School*)
 Frances E. Jensen, Associate Professor of Neurology (*Medical School*)
 Ru-Rong Ji, Associate Professor of Anesthesia (*Medical School*)
 Robert P. Johnson, Associate Professor of Medicine (*Medical School*)
 Welkin E. Johnson, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 J. Keith Joung, Assistant Professor of Pathology (*Medical School*)
 Jae Ung Jung, Professor of Microbiology and Molecular Genetics (*Medical School*)
 C. Ronald Kahn, Mary K. Iacocca Professor of Medicine (*Medical School*)
 Daniel E. Kahne, Professor of Chemistry and Chemical Biology (*FAS*) and Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Raghu Kalluri, Associate Professor of Medicine (*Medical School*)
 Yoshihide Kanaoka, Assistant Professor of Medicine (*Medical School*)
 Joshua M. Kaplan, Professor of Genetics (*Medical School*)
 Dennis L. Kasper, William Ellery Channing Professor of Medicine (*Medical School*)
 Howard R. Katz, Associate Professor of Medicine (*Medical School*)
 Kenneth M. Kaye, Associate Professor of Medicine (*Medical School*)
 Andrius Kazlauskas, Associate Professor of Ophthalmology (*Medical School*)
 Raymond J. Kelleher, Assistant Professor of Neurology (*Medical School*)
 Vicki R. Kelley, Associate Professor of Medicine (*Medical School*)
 Roya Khosravi-Far, Associate Professor of Pathology (*Medical School*)
 Elliott D. Kieff, Harriet Ryan Albee Professor of Medicine (*Medical School*)
 Carla Kim, Assistant Professor of Genetics (*Medical School*)
 Kwang-Soo Kim, Associate Professor of Psychiatry (*Medical School*)
 Jean-Pierre Kinet, Professor of Pathology (*Medical School*)
 Randy King, Associate Professor of Cell Biology (*Medical School*)
 Tomas Kirchhausen, Professor of Cell Biology (*Medical School*)
 Marc W. Kirschner, Carl W. Walter Professor of Systems Biology (*Medical School*)
 Michael Klagsbrun, Patricia A. Donahue Professor of Surgery (*Medical School*)
 Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)
 David M. Knipe, Higgins Professor of Microbiology and Molecular Genetics (*Medical School*)
 Koichi S. Kobayashi, Assistant Professor of Pathology (*Medical School*)
 Christine Kocks, Assistant Professor of Pediatrics (*Medical School*)
 Roberto G. Kolter, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Walter J. Koroshetz, Professor of Neurology (*Medical School*)
 Stella Kourembanas, Clement A. Smith Associate Professor of Pediatrics (*Medical School*)
 Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
 Jordan A. Kreidberg, Associate Professor of Pediatrics (*Medical School*)
 Raju Kucherlapati, Paul C. Cabot Professor of Genetics (*Medical School*)
 Vijay K. Kuchroo, Samuel L. Wasserstrom Professor of Neurology (*Medical School*)
 Rohit N. Kulkarni, Assistant Professor of Medicine (*Medical School*)
 Samuel M. Kunes, Professor of Molecular and Cellular Biology
 Louis M. Kunkel, Professor of Pediatrics (*Medical School*)
 Thomas Seth Kupper, Thomas B. Fitzpatrick Professor of Dermatology (*Medical School*)
 Daniel R. Kuritzkes, Professor of Medicine (*Medical School*)



Mitzi I. Kuroda, Professor of Genetics (*Medical School*)
 David J. Kwiatkowski, Professor of Medicine (*Medical School*)
 Lois A. Lampson, Associate Professor of Surgery (*Medical School*)
 Peter T. Lansbury, Professor of Neurology (*Medical School*)
 Andrew B. Lassar, Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Philippe Leboulch, Associate Professor of Medicine (*Medical School*)
 Jeannie T. Lee, Professor of Genetics (*Medical School*)
 Tun-Hou Lee, Professor of Virology (*Public Health*)
 Wayne I. Lencer, Associate Professor of Pediatrics (*Medical School*)
 Cammie Lesser, Assistant Professor of Medicine (*Medical School*)
 Anthony G. Letai, Assistant Professor of Medicine (*Medical School*)
 Norman Letvin, Professor of Medicine (*Medical School*)
 Michael Levin, Assistant Professor of Developmental Biology (*Dental School*)
 Bruce D. Levy, Associate Professor of Medicine (*Medical School*)
 Andrew H. Lichtman, Associate Professor of Pathology (*Medical School*)
 Jeff W. Lichtman, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 Judy Lieberman, Professor of Pediatrics (*Medical School*)
 David Morse Livingston, Emil Frei Professor of Medicine (*Medical School*)
 Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)
 Eng H. Lo, Professor of Radiology (*Medical School*)
 Mary R. Loeken, Associate Professor of Medicine (*Medical School*)
 Irving M. London, Professor of Medicine, Emeritus (*Medical School*)
 A. Thomas Look, Professor of Pediatrics (*Medical School*)
 Stephen Lory, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Joseph Loscalzo, Hersey Professor of the Theory and Practice of Physic (*Medical School*)
 Bradford Barr Lowell, Professor of Medicine (*Medical School*)
 Kun Ping Lu, Associate Professor of Medicine (*Medical School*)
 Hongbo Luo, Assistant Professor of Pathology (*Medical School*)
 Francis W. Luscinskas, Associate Professor of Pathology (*Medical School*)
 Andrew D. Luster, Professor of Medicine (*Medical School*)
 Qiufu Ma, Associate Professor of Neurobiology (*Medical School*)
 Richard L. Maas, Professor of Medicine (*Medical School*)
 Marcy E. MacDonald, Associate Professor of Neurology (*Medical School*)
 Jeffrey D. Macklis, Professor of Surgery (*Medical School*)
 Joseph A. Majzoub, Thomas Morgan Rotch Professor of Pediatrics (*Medical School*)
 Clint L. Makino, Associate Professor of Ophthalmology (*Medical School*)
 Jarema Malicki, Assistant Professor of Ophthalmology (Genetics) (*Medical School*)
 JoAnn Manson, Elizabeth F. Brigham Professor of Women's Health (*Medical School*)
 Eleftheria Maratos-Flier, Associate Professor of Medicine (*Medical School*)
 Jarrod Marto, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Richard H. Masland, Charles Anthony Pappas Professor of Neuroscience (*Medical School*)
 Diane J. Mathis, Professor of Medicine (*Medical School*)
 John Maunsell, Professor of Neurobiology (*Medical School*)
 Tanya Mayadas, Associate Professor of Pathology (*Medical School*)



Andrea I. McClatchey, Associate Professor of Pathology (*Medical School*)
 Frank D. McKeon, Professor of Cell Biology (*Medical School*)
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 John J. Mekalanos, Adele Lehman Professor of Microbiology and Molecular Genetics (*Medical School*)
 Matthew L. Meyerson, Associate Professor of Pathology (*Medical School*)
 Thomas Michel, Professor of Medicine (*Medical School*)
 Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
 Danesh Moazed, Professor of Cell Biology (*Medical School*)
 D. Branch Moody, Associate Professor of Medicine (*Medical School*)
 Cynthia C. Morton, William Lambert Richardson Professor of Obstetrics, Gynecology, and Reproductive Biology (*Medical School*)
 Marsha Moses, Professor of Surgery (*Medical School*)
 Richard C. Mulligan, Mallinckrodt Professor of Genetics (*Medical School*)
 Karl Münger, Associate Professor of Medicine (*Medical School*)
 Venkatesh N. Murthy, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 Anders Michael Naar, Assistant Professor of Cell Biology (*Medical School*)
 Lee M. Nadler, Virginia and D.K. Ludwig Professor of Medicine (*Medical School*)
 Cathryn R. Nagler-Anderson, Associate Professor of Pediatrics (*Medical School*)
 N. Nanda Nanthakumar, Assistant Professor of Pediatrics (*Medical School*)
 Benjamin Neel, Professor of Medicine (*Medical School*)
 Charles A. Nelson, Professor of Pediatrics (*Medical School*)
 Max L. Nibert, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Anne Nicholson-Weller, Professor of Medicine (*Medical School*)
 Carl D. Novina, Assistant Professor of Pathology (*Medical School*)
 Marjorie A. Oettinger, Professor of Genetics (*Medical School*)
 Bjørn R. Olsen, Professor of Developmental Biology and Hersey Professor of Cell Biology (*Dental School, Medical School*)
 Stuart H. Orkin, David G. Nathan Professor of Pediatrics (*Medical School*)
 Sandra Orsulic, Assistant Professor of Pathology (*Medical School*)
 Carol A. Paronis, Assistant Professor of Psychobiology (*Medical School*)
 John Albert Parrish, Edward Wigglesworth Professor of Dermatology (*Medical School*)
 David L. Paul, Professor of Neurobiology (*Medical School*)
 David Pellman, Associate Professor of Pediatrics (*Medical School*)
 Lizabeth A. Perkins, Associate Professor of Surgery (*Medical School*)
 Norbert Perrimon, Professor of Genetics (*Medical School*)
 Gerald Pier, Professor of Medicine (Microbiology and Molecular Genetics) (*Medical School*)
 Shiv S. Pillai, Associate Professor of Medicine (*Medical School*)
 Martin R. Pollak, Associate Professor of Medicine (*Medical School*)
 Kornelia Polyak, Associate Professor of Medicine (*Medical School*)
 Scott L. Pomeroy, Bronson Crothers Professor of Neurology (*Medical School*)
 William T. Pu, Assistant Professor of Pediatrics (*Medical School*)
 Pere B. Puigserver, Assistant Professor of Cell Biology (*Medical School*)
 Samuel D. Rabkin, Associate Professor of Surgery (*Medical School*)
 Laurel A. Raftery, Associate Professor of Dermatology (*Medical School*)



Klaus Rajewsky, Fred S. Rosen Professor of Pediatrics (*Medical School*)
 Anjana Rao, Professor of Pathology (*Medical School*)
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Elio Raviola, Bullard Professor of Neurobiology (*Medical School*)
 Robin Reed, Professor of Cell Biology (*Medical School*)
 Wade G. Regehr, Professor of Neurobiology (*Medical School*)
 David Emil Reich, Assistant Professor of Genetics (*Medical School*)
 R. Clay Reid, Professor of Neurobiology (*Medical School*)
 Ellis L. Reinherz, Professor of Medicine (*Medical School*)
 Charles C. Richardson, Edward S. Wood Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Charles M. Roberts, Assistant Professor of Pediatrics (*Medical School*)
 Barrett J. Rollins, Professor of Medicine (*Medical School*)
 Evan David Rosen, Assistant Professor of Medicine (*Medical School*)
 Vicki Rosen, Professor of Developmental Biology (*Dental School*)
 Paul Allen Rosenberg, Associate Professor of Neurology (*Medical School*)
 Anthony Rosenzweig, Associate Professor of Medicine (*Medical School*)
 Frederick P. Roth, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Eric J. Rubin, Associate Professor of Immunology and Infectious Diseases (*Public Health*) and Assistant Professor of Medicine (*Medical School*)
 Robert H. Rubin, Gordon and Marjorie Osborn Professor of Health Sciences and Technology and Professor of Medicine (*Medical School*)
 Joan V. Ruderman, Marion V. Nelson Professor of Cell Biology (*Medical School*)
 David Z. Rudner, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Ruth M. Ruprecht, Professor of Medicine (*Medical School*)
 Gary B. Ruvkun, Professor of Genetics (*Medical School*)
 Bernardo L. Sabatini, Associate Professor of Neurobiology (*Medical School*)
 David H. Sachs, Paul S. Russell/Warner Lambert Professor of Surgery (*Medical School*)
 Manish Sagar, Assistant Professor of Medicine (*Medical School*)
 Adrian Salic, Assistant Professor of Cell Biology (*Medical School*)
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Clifford B. Saper, James Jackson Putnam Professor of Neurology (*Medical School*)
 David T. Scadden, Gerald and Darlene Jordan Professor of Medicine (*Medical School*)
 Priscilla A. Schaffer, Professor of Medicine (*Medical School*)
 Alexander F. Schier, Professor of Molecular and Cellular Biology
 Stuart F. Schlossman, Baruj Benacerraf Professor of Medicine, Emeritus (*Medical School*)
 Dietmar Schmucker, Assistant Professor of Neurobiology (*Medical School*)
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry
 Thomas M. Schultheiss, Associate Professor of Medicine (*Medical School*)
 Peter H. Schur, Professor of Medicine (*Medical School*)
 Richard M. Schwartzstein, Associate Professor of Medicine (*Medical School*)
 Thomas L. Schwarz, Professor of Neurology and Neurobiology (*Medical School*)
 Ralph Scully, Assistant Professor of Medicine (*Medical School*)
 Brian Seed, Professor of Genetics and Professor of Health Sciences and Technology (*Medical School*)



Rosalind A. Segal, Professor of Neurobiology (*Medical School*)
 Christine E. Seidman, Thomas W. Smith Professor of Medicine (*Medical School*)
 Jonathan G. Seidman, Henrietta B. and Frederick H. Bugher Foundation Professor of Genetics (*Medical School*)
 Julian L. Seifter, Associate Professor of Medicine (*Medical School*)
 Dennis J. Selkoe, Vincent and Stella Coates Professor of Neurologic Diseases (*Medical School*)
 Charles N. Serhan, Simon Gelman Professor of Anaesthesia (*Medical School*)
 Jeffrey E. Settleman, Professor of Medicine (*Medical School*)
 Arlene H. Sharpe, George Fabyan Professor of Comparative Pathology (*Medical School*)
 Jen Sheen, Professor of Genetics (*Medical School*)
 Jie Shen, Associate Professor of Neurology (*Medical School*)
 Yang Shi, Professor of Pathology (*Medical School*)
 Yujiang Shi, Assistant Professor of Medicine (*Medical School*)
 William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Ramesh Arjun Shivdasani, Associate Professor of Medicine (*Medical School*)
 Steven E. Shoelson, Professor of Medicine (*Medical School*)
 Piotr Sicinski, Associate Professor of Pathology (*Medical School*)
 Pamela A. Silver, Professor of Systems Biology (*Medical School*)
 David A. Sinclair, Associate Professor of Pathology (*Medical School*)
 Pamela B. Sklar, Associate Professor of Psychiatry (*Medical School*)
 Susan A. Slaugenhaupt, Associate Professor of Neurology (*Medical School*)
 Scott Brian Snapper, Assistant Professor of Medicine (*Medical School*)
 Joseph G. Sodroski, Professor of Pathology (*Medical School*) and Professor of Cancer Biology (*Public Health*)
 Bruce M. Spiegelman, Professor of Cell Biology (*Medical School*)
 Timothy A. Springer, Latham Family Professor of Pathology (*Medical School*)
 Michael Starnbach, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Joan E. Stein-Streilein, Associate Professor of Ophthalmology (*Medical School*)
 Richard L. Stevens, Professor of Medicine (*Medical School*)
 Charles D. Stiles, Professor of Microbiology and Molecular Genetics (*Medical School*)
 Gary R. Strichartz, Professor of Anaesthesia (*Medical School*)
 Terry B. Strom, Professor of Medicine (*Medical School*)
 Jack L. Strominger, Higgins Professor of Biochemistry
 Kevin Struhl, David Wesley Gaiser Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Vikas P. Sukhatme, Professor of Medicine (*Medical School*)
 Shamil R. Sunyaev, Assistant Professor of Medicine and Health Sciences and Technology (*Medical School*)
 Megan Sykes, Harold and Ellen Danser Professor of Surgery (*Medical School*)
 Jack Szostak, Professor of Genetics (*Medical School*)
 Clifford J. Tabin, Professor of Genetics (*Medical School*)
 Rudolph E. Tanzi, Professor of Neurology (*Medical School*)
 Daniel G. Tenen, Professor of Medicine (*Medical School*)
 Cox Terhorst, Professor of Medicine (*Medical School*)
 Sheila Thomas, Assistant Professor of Medicine (*Medical School*)



Rong Tian, Associate Professor of Medicine (*Medical School*)
 Alex Toker, Associate Professor of Pathology (*Medical School*)
 Shannon Turley, Assistant Professor of Pathology (*Medical School*)
 Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology
 Dale T. Umetsu, Prince Turki Bin Abdul Aziz Al-Saud Professor of Pediatrics (*Medical School*)
 Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 David L. Van Vactor, Professor of Cell Biology (*Medical School*)
 Marc Vidal, Associate Professor of Genetics (*Medical School*)
 Ulrich H. Von Andrian-Werburg, Edward Mallinckrodt, Jr. Professor of Immunopathology (*Medical School*)
 Harald Von Boehmer, Professor of Pathology (*Medical School*)
 Amy J. Wagers, Assistant Professor of Stem Cell and Regenerative Biology
 Denisa D. Wagner, Professor of Pathology (*Medical School*)
 Gerhard Wagner, Elkan Blout Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Loren D. Walensky, Assistant Professor of Pediatrics (*Medical School*)
 Bruce Walker, Professor of Medicine (*Medical School*)
 Suzanne Walker, Professor of Microbiology and Molecular Genetics (*Medical School*)
 W. Allan Walker, Conrad Taff Professor of Pediatrics (*Medical School*) and Professor of Nutrition (*Public Health*)
 Christopher A. Walsh, Bullard Professor of Neurology (*Medical School*)
 Christopher T. Walsh, Hamilton Kuhn Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Johannes Walter, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Thomas Walz, Professor of Cell Biology (*Medical School*)
 Frederick C. Wang, Professor of Medicine (*Medical School*)
 Paula I. Watnick, Assistant Professor of Pediatrics (*Medical School*)
 Howard L. Weiner, Robert L. Kroc Professor of Neurology (*Medical School*)
 Ralph Weissleder, Professor of Radiology (*Medical School*)
 Charles J. Weitz, Robert Henry Pfeiffer Professor of Neurobiology (*Medical School*)
 Peter F. Weller, Professor of Medicine (*Medical School*)
 Michael R. Wessels, Professor of Pediatrics (*Medical School*)
 Marianne Wessling-Resnick, Professor of Nutritional Biochemistry (*Public Health*)
 Sean P.J. Whelan, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
 Kristin White, Associate Professor of Dermatology (*Medical School*)
 Morris F. White, Professor of Pediatrics (*Medical School*)
 Malcolm Whitman, Professor of Developmental Biology (*Medical School*)
 Rachel I. Wilson, Assistant Professor of Neurobiology (*Medical School*)
 Fred Winston, Professor of Genetics (*Medical School*)
 Dyann F. Wirth, Richard Pearson Strong Professor of Infectious Disease (*Public Health*)
 Michael S. Wolfe, Associate Professor of Neurology (*Medical School*)
 Clifford Woolf, Richard J. Kitz Professor of Anaesthesia Research (*Medical School*)
 Chao-Ting Wu, Professor of Pediatrics (Genetics) (*Medical School*)
 Kai Wucherpfennig, Professor of Neurology (*Medical School*)



Priscilla Yang, Assistant Professor of Microbiology and Molecular Genetics (*Medical School*)
Bruce Yankner, Professor of Pathology (*Medical School*)
Junying Yuan, Professor of Cell Biology (*Medical School*)
Edmond J. Yunis, Professor of Pathology (*Medical School*)
Bruce R. Zetter, Charles Nowiszewski Professor of Cancer Biology (*Medical School*)
Jing Zhou, Associate Professor of Medicine (*Medical School*)
Leonard I. Zon, Grousbeck Professor of Pediatrics (*Medical School*)
Lee Zou, Assistant Professor of Medicine (*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

Johannes Walter (Medical School), Stephen Buratowski (Medical School), David E. Fisher (Medical School), Richard Ian Gregory (Medical School), Ralph Scully (Medical School), and William Shih (Medical School)

Half course (fall term). M., W., F., 10:30–12.

An advanced treatment of the Central Dogma of molecular biology. Considers the molecular basis of genetic information transfer from DNA to RNA to protein, using current 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

Antoine van Oijen (Medical School), Stephen C. Blacklow (Medical School), James J. Chou (Medical School), Michael J. Eck (Medical School), Frederick P. Roth (Medical School), and Michael S. Wolfe (Medical School)

Half course (spring term). Tu., Th., 9–10:30, W., 4:30–6.

Protein biochemistry with emphasis on the interrelated roles of protein structure, catalytic activity, and macromolecular interactions in biological processes. Course provides the core background and perspective required to consider and dissect biological problems at a mechanistic, molecular level.

Note: Offered jointly with the Medical School as BP 714.0. For more information, see the course syllabus at MyCourses.med.harvard.edu.

Prerequisite: The course is intended for all DMS graduate students and is open to advanced undergraduates.

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.

Explores how molecular biology, structural biology, and modern enzymology revolutionized understanding of drug action and development of new therapies. Analyzes molecular underpinnings of basic pharmacological principles. Examples drawn from molecular pathways with application to diseases, including, cancer, diabetes, 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 assistants

Half course (fall term). M., W., F., 2–4.

Reviews the principles of common lab techniques, and discusses recent innovations. Topics include separation and detection methods for nucleic acids and proteins, nucleic acid reassociations, and polymerase reactions. Course format includes lecture, lab experiments, and discussions.

Note: Expected to be given in 2008–09. 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 2008–09. Offered jointly with the Medical School as BP 719.0.

***BCMP 218. Molecular Medicine**

Catalog Number: 2049 Enrollment: Limited to 25.

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, W., 2–5.

Theory and practice of modern methods of macromolecular structure determination using multi-dimensional NMR.

Note: Expected to be given in 2008–09. 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

Robert H. Rubin (Medical School)

Half course (fall term). Th., 4–6:30.

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 and conferences are integrated with clinical encounters.

Note: Also listed as MCB 234. Lectures for this class will be transmitted live from HMS to Harvard College; the inter-campus link will allow real-time interactions between students and faculty at each site. Depending on enrollment, a discussion section for Cambridge-based students will be held Fridays at 4 pm.

Prerequisite: Knowledge of introductory biochemistry, genetics, and cell biology required (MCB 52 and 54 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

***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 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 317. Structural and Cellular Biology of Insulin Signal Transduction, Insulin, Resistance, Diabetes and Obesity**

Catalog Number: 3354

Steven E. Shoelson (Medical School) 3951

***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. Biochemistry and Biology 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 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

James M. Hogle (Medical School) 2943

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 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. Antibiotic Resistance and Organelle Assembly**

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 - (New Course)**

Catalog Number: 9601

Richard Ian Gregory (Medical School) 5743

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.

Topics include the molecular basis of cellular compartmentalization, protein trafficking, cytoskeleton dynamics, mitosis, cell locomotion, cell cycle regulation, signal transduction, cell-cell interaction, and the cellular/biochemical basis of diseases. Methods covered include protein purification, mass spectrometry, and microscopy.

Note: Offered jointly with the Medical School as CB 713.0.

Prerequisite: Basic knowledge in biochemistry and genetics.

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), Ramesh Arjun Shivdasani (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. Principal focus is the establishment of the body plan and the formation of selected organs.

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 211a. Biology of the Cancer Cell

Catalog Number: 5771

James A. DeCaprio (Medical School) and Myles A. Brown (Medical School)



Half course (fall term). M., W., 12:30–2.

Examines the molecular basis of cancer including alterations in signal transduction, cell cycle, apoptosis and DNA repair with a focus on oncogenes, tumor suppressors, and oncogenic viruses. Explores the development of novel target based therapies.

Note: Given in alternate years. Offered jointly with the Medical School as CB 704.0.

Prerequisite: General knowledge of 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: 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 226. Concepts in Development, Self-Renewal, and Repair

Catalog Number: 8747 Enrollment: Limited to 14.

Laurel A. Raftery (Medical School), Iain A. Drummond (Medical School), Niels Geijsen (Medical School), N. Nanda Nanthakumar (Medical School), Lizabeth A. Perkins (Medical School), Samuel D. Rabkin (Medical School), and David T. Scadden (Medical School)

Half course (fall term). F., 2–5.

Explores developmental mechanisms through the life cycle, with emphasis on stem cells and tissue homeostasis. In depth analysis of tissues that undergo cell fate restriction, commitment, differentiation, and yet retain the ability to renew themselves.

Note: Offered jointly with the Medical School as CB 721.0. For more information visit: www.mgh.harvard.edu/bbs.

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 L. Van Vactor (Medical School) 2089

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 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 Mammalian Gene Regulation in Normal and Cancerous Cells**

Catalog Number: 8538

Anders Michael Naar (Medical School) 4328

***Cell Biology 314. Molecular Biology of Extracellular Matrix**

Catalog Number: 5077

Bjørn R. Olsen (Dental School, Medical School) 1164

***Cell Biology 315. Biological Information Storage and Exchange**

Catalog Number: 9463

Michael Levin (Dental School) 4560

***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 8.

David L. Van Vactor (Medical School) and members of the Division.

Half course (fall term). M. through Sa., 9–7:30 p.m.

This introductory level course will provide 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 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. Cilia: Formation, 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. Signal Transduction by Receptor Tyrosine Kinases**

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 (Medical School) 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, Hypoxic Signaling and Lung Vascular Development**

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 Transcriptional 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 Musculoskeletal Tissues**

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 399. Nanocourses**

Catalog Number: 0087

Spyros Artavanis-Tsakonas (Medical School) 2609

Genetics

Primarily for Graduates



Genetics 201. Principles of Genetics

Catalog Number: 4225

Fred Winston (Medical School), Anne C. Hart (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 205. Mammalian Genetics]

Catalog Number: 9267

David R. Beier (Medical School), David M. Altshuler (Medical School), and Joel N. Hirschhorn (Medical School)

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

A literature discussion course on mammalian genetics, including mutation and disease cloning, mutagenesis, comparative genomics, cancer genetics, mammalian development, population genetics, complex trait genetics in humans and rodents, and mouse genome modification techniques and their applications.

Note: Expected to be given in 2008–09. Offered jointly with the Medical School as GN 705.0

[Genetics 206. Genetic and Functional Genomic Dissection of Development]

Catalog Number: 9852

Marc Vidal (Medical School), Norbert Perrimon (Medical School), and Gary B. Ruvkun (Medical School)

Half course (spring term). Tu., 10–12.

Discuss classic examples of genetic analysis, as well as functional genomic and proteomic strategies in the context of developmental studies in yeast, *Drosophila*, and *C. elegans*.

Note: Expected to be given in 2008–09. Offered jointly with the Medical School as GN 704.0

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 218. Genotype to Phenotype: Epigenetics and Weird Stuff

Catalog Number: 2252 Enrollment: Limited to 15.

Chao-Ting Wu (Medical School), Kami Ahmad (Medical School), Jeannie T. Lee (Medical School), and Danesh Moazed (Medical School)

Half course (spring term). Tu., 1–4.



Explores lesser known forms of inheritance and gene regulation, focusing on the oddities of biology. Past topics included paramutation, RIP, hypermutation, adaptive mutation, immortal DNA, nonrandom segregation of chromosomes, meiotic silencing of unpaired DNA, monoallelism, meiotic drive, ultraconserved elements, genomic stress, etc.

Note: Given in alternate years. Offered jointly with the Medical School as GN 724.0.

Prerequisite: Introductory course in genetics and molecular biology, or permission of the instructors.

Genetics 220. Molecular Biology and Genetics in Modern Medicine

Catalog Number: 4660

Anne Giersch (Medical School)

Half course (fall term). F., 10–12:30.

The scientific, clinical, and ethical aspects of modern human genetics and molecular biology as applied to medicine. Lectures covering genetic approaches and molecular underpinnings of inherited diseases and somatic/genetic diseases are integrated with patient presentations and discussion.

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.

Pamela B. Sklar (Medical School) and Susan A. Slaugenhaupt (Medical School)

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

Susan M. Dymecki (Medical School) 1736

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



***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 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 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 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 25.

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 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, Homolgy 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

***Genetics 341. Development and Homeostasis of the Skeleton - (New Course)**

Catalog Number: 8874

Matthew L. Warman (Medical School) 5875

***Genetics 342. Genetic Analysis of Zebrafish Kidney Organogenesis - (New Course)**

Catalog Number: 4498

Iain A. Drummond (Medical School) 5350



***Genetics 344. Computational Genomics - (New Course)**

Catalog Number: 2125

Peter J. Park (Medical School) 5917

***Genetics 348. Molecular Genetics of Human Leukemias**

Catalog Number: 5908

D. Gary Gilliland (Medical School) 2068

***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 355. Molecular Genetics of Human Neuromuscular Diseases**

Catalog Number: 9253

Alan H. Beggs (Medical School) 1422

***Genetics 357. Lung Stem Cell Biology and Cancer - (New Course)**

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. Neurogenesis in the Vertebrate Eye**

Catalog Number: 8658

Jarema Malicki (Medical School) 2202

***Genetics 364. Development Application of Mammalian Vectors**

Catalog Number: 7930

Richard C. Mulligan (Medical School) 2274

***Genetics 365. Organogenesis of the Blood and 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 378. Vectorology of Chromosomal Integration and Gene Therapy Models**

Catalog Number: 8555

Philippe Leboulch (Medical School) 4960

***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

Human Biology and Translational Medicine

Graduate Courses of Reading and Research

***Human Biology and Translational Medicine 300. Advanced Topics in Human Biology and Translational Medicine - (New Course)**



Catalog Number: 4302

Thomas Michel (Medical School) 4392

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 - (New Course)**

Catalog Number: 3462

Seth L. Alper (Medical School) 1275

***Human Biology and Translational Medicine 303. Cystic Fibrosis and Fatty Acid Metabolism - (New Course)**

Catalog Number: 5376

Steven D. Freedman (Medical School) 5921

***Human Biology and Translational Medicine 304. Resolution of Lung Inflammation and Injury - (New Course)**

Catalog Number: 1421

Bruce D. Levy (Medical School) 5922

***Human Biology and Translational Medicine 305. Endothelial Cell, Nitric Oxide, Proteomic Redox Regulation - (New Course)**

Catalog Number: 9077

Joseph Loscalzo (Medical School) 5923

***Human Biology and Translational Medicine 306. Cardiovascular Disease, Diabetes, Biomarkers, Women's Health - (New Course)**

Catalog Number: 2876

JoAnn Manson (Medical School) 5924

***Human Biology and Translational Medicine 307. Signal Transduction in Heart Failure and Atherosclerosis - (New Course)**

Catalog Number: 1294

Anthony Rosenzweig (Medical School) 5925

***Human Biology and Translational Medicine 308. Cancer Biology: Metabolism and Angiogenesis - (New Course)**

Catalog Number: 5913

Vikas P. Sukhatme (Medical School) 1835

***Human Biology and Translational Medicine 309. Energy Metabolism and Metabolic Signaling - (New Course)**



Catalog Number: 4331
Rong Tian (Medical School) 5926

***Human Biology and Translational Medicine 310. Bioimaging, Nanomaterials and Systems Biology - (New Course)**

Catalog Number: 4536
Ralph Weissleder (Medical School) 5927

***Human Biology and Translational Medicine 311. Kidney Injury and Repair - (New Course)**

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 - (New Course)**

Catalog Number: 7114
William Francis Crowley (Medical School) 5958

***Human Biology and Translational Medicine 313. Epidemiology of Chronic Diseases - (New Course)**

Catalog Number: 2036
Gary Craig Curhan (Medical School) 5959

***Human Biology and Translational Medicine 314. Skin Immunology T Cell Trafficking Lymphoma - (New Course)**

Catalog Number: 2368
Thomas Seth Kupper (Medical School) 5960

***Human Biology and Translational Medicine 315. Hypothalamic Gene Function and Regulation - (New Course)**

Catalog Number: 1577
Joseph A. Majzoub (Medical School) 1875

***Human Biology and Translational Medicine 316. Innovative Medical Devices and Procedures - (New Course)**

Catalog Number: 9233
John Albert Parrish (Medical School) 5961

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.

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 40.

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 206. Immunogenetics; adaptive and innate immunity

Catalog Number: 0566

Edmond J. Yunis (Medical School)

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

Sizes of DNA blocks in genomes. Variability of sizes of DNA in chromosome six (major histocompatibility complex). Transplantation. Genetics of autoimmune diseases and longevity.

Cancer genetics. Discussion of syntenicity and paralogous chromosomal regions.

Note: A background in genetics would be helpful.



***Immunology 219. The Primary Immunodeficiencies**

Catalog Number: 1873

Cox Terhorst (Medical School) and Raif S. Geha (Medical School)

Half course (spring term). M., 4–6.

This course discusses the mechanisms that underlie the pathogenesis of genetically determined primary human immunodeficiencies and selected human 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. The two quarters may be taken together as a half course, or individually as a quarter course under Immunology 300.

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

Michael C. Carroll (Medical School) 2050

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

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



***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 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

***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. - (New Course)**

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 (Medical School) 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-Anderson (Medical School) 1022

***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 - (New Course)**

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 Responses; 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

***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 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 - (New Course)**

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

***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 - (New Course)**

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 - (New Course)**

Catalog Number: 9151

Jon Christopher Aster (Medical School) 5750

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: 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 220. Human Pathophysiology

Catalog Number: 6803

Julian L. Seifter (Medical School)

Half course (fall term). M., 8:30–10, W., F., 9:30–11:30.

Fundamental homeostatic mechanisms and organ systems, covering both normal and disease states, will be introduced to PhD students. Pathophysiology will be studied by analysis of relevant clinical cases.

Note: Includes lectures, patient presentations, and tutorial groups.

Prerequisite: Background in pathology.

***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 the Wednesday following the Labor Day holiday.

Graduate Courses of Reading and Research

***Medical Sciences 300. Conduct of Science**

Catalog Number: 1815

Thomas O. Fox (Medical School) 4542 (fall term only) and David Lopes Cardozo (Medical School) 5995 (spring term only)

***Medical Sciences 399. Topics in Medical Sciences**

Catalog Number: 3197

David Lopes Cardozo (Medical School) 5995 (spring term only) and Thomas O. Fox (Medical School) 4542 (fall term only)

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: Offered jointly with the Medical School as MG 726.0.

***Microbiology 205. Mechanisms of Microbial Pathogenesis**

Catalog Number: 2480 Enrollment: May be limited.

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 2008–09. 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 213. Social Issues in Biology

Catalog Number: 7905 Enrollment: Limited to 18.

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.

Prerequisite: Some background in genetics.

Microbiology 230. Analysis of the Biological Literature

Catalog Number: 3791

Elaine A. Elion (Medical School), Alan B. Cantor (Medical School), Stephen J. Elledge (Medical School), William C. Hahn (Medical School), Edward E. Harlow (Medical School), Jonathan M. G. Higgins (Medical School), Jordan A. Kreidberg (Medical School), Andrea I. McClatchey (Medical School), Charles M. Roberts (Medical School), Ramesh Arjun Shivdasani (Medical School), Sheila Thomas (Medical School), and Amy J. Wagers

Half course (fall term). Tu., Th., 4:30–7:30 pm.

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, hypothesis, methods, and objective interpretation of results.

Note: Limited to and required of all first-year BBS students.

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

Michael Starnbach (Medical School) 1816

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 - (New Course)**

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 -
(New Course)**

Catalog Number: 5826

Robert Husson (Medical School) 5914

***Microbiology 339. Bacterial Cell Division and Cell Biology - (New Course)**

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**

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

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 60.

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 and integration; chemical systems; 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.

Neurobiology 204. Neurophysiology of Central Circuits

Catalog Number: 5603

Richard T. Born (Medical School), John A. Assad (Medical School), Margaret S. Livingstone (Medical School), John Maunsell (Medical School), R. Clay Reid (Medical School), and Rachel I. Wilson (Medical School)

Half course (spring term). M., W., 10–12.

Introduction to the physiology of circuits in the mammalian central nervous system. Topics include the auditory, somatosensory, olfactory, visual and oculomotor systems.

Note: Offered jointly with the Medical School as NB 721.0.

Prerequisite: Neurobiology 220.



Neurobiology 207. Developmental Neurobiology

Catalog Number: 4977 Enrollment: Limited to 20.

Qiufu Ma (Medical School), Chenghua Gu (Medical School), Dietmar Schmucker (Medical School), and Rosalind A. Segal (Medical School)

Half course (spring term). Tu., Th., 2–4.

Lectures cover nervous system development, including neural induction, neural patterning, nerve cell type specification, nerve cell migration, neurotrophin and neuronal cell survival, axon guidance and targeting, synaptogenesis and plasticity, adult neurogenesis and brain repair.

Note: Paper reading will allow students to learn how to identify interesting biological questions and feasible approaches to address the questions. Lectures will also be given about how to write a grant application, and proposal writing is served as the final exam. Offered jointly with the Medical School as NB 720.0.

Prerequisite: Neurobiology 200 or permission of instructor.

Neurobiology 209. Neurobiology of Disease

Catalog Number: 5562

Edward A. Kravitz (Medical School) and Robert H. Brown (Medical School)

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 and graduate 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.

Introduction to the molecular biology and genetics of the nervous system. Emphasis on the 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.

Graduate Courses of Reading and Research

***Neurobiology 300. Advanced Topics in Neurobiology**

Catalog Number: 6206

Larry I. Benowitz (Medical School) 3150 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 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 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 315. Neurotrophins and Cerebellar Development**

Catalog Number: 0128

Rosalind A. Segal (Medical School) 1564

***Neurobiology 316. Laboratory of Pain Physiology**

Catalog Number: 0222

Rami Burstein (Medical School) 1294

***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
Gary I. Yellen (Medical School) 3268

***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. - (New Course)**

Catalog Number: 1134

Ruth Anne Eatock (Medical School) 5739

***Neurobiology 335. Hair Cell Regeneration in the Avian Cochlea; Development of the Cochlear Sensory Epithelium**

Catalog Number: 7218

Douglas Allen Cotanche (Medical School) 3933

***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. - (New Course)**

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 - (New Course)**

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 - (New Course)**

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. - (New Course)**

Catalog Number: 6674

Michela Fagiolini (Medical School) 5751

***Neurobiology 358. Neurogenetics of Human Disease**

Catalog Number: 7616

Xandra O. Breakefield (Medical School) 1428

***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 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 (Medical School) 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. - (New Course)**

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. - (New Course)**

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 385. The Study of Mammalian Gap Junctions, Inhibitory Neuronal Networks, and Corticothalamic Processing. - (New Course)**

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. The Role of Dendritic Protein Translation in the Modification of Synapses**

Catalog Number: 9202

Bernardo L. Sabatini (Medical School) 4300

***Neurobiology 391. Diversity and Function of the Dscam Receptor**

Catalog Number: 7541

Dietmar Schmucker (Medical School) 4332

***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. Molecular Basis of Inherited Congenital Eye Movement Disorders and Implications for the Development of Brainstem Motorneurons**



Catalog Number: 3085

Elizabeth C. Engle (Medical School) 4312

***Neurobiology 396. Critical Period Mechanisms of Experience-Dependent Brain Development - (New Course)**

Catalog Number: 0142

Takao K. Hensch (Medical School)

Half course (fall term; repeated spring term). .

***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. - (New Course)**

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

Anne Giersch (Medical School)

Half course (fall term). M., W., 5–6:30.

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: Expected to be given in 2008–09. 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

Patricia A. D'Amore (Medical School) 1168

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. Cellular and Molecular Regulation of Vascular Development**

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 (Medical School) 2832

***Pathology 314. Molecular Biology of Immune Cell Interactions**

Catalog Number: 1156

Timothy A. Springer (Medical School) 6145

***Pathology 316. Control of Gene Expression in Tumorigenesis and Differentiation**

Catalog Number: 3892

Thomas M. Roberts (Medical School) 7729

***Pathology 319. Signaling and Gene Regulation in Lymphocytes**

Catalog Number: 1859

Anjana Rao (Medical School) 1854

***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 Tumor Suppressor Genes Implicated in Wilms Tumor and Breast Cancer**

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 342. Molecular Regulation of Physiological Versus Pathological Angiogenesis**

Catalog Number: 7284

Laura E. Benjamin (Medical School) 5400

***Pathology 343. Cell Adhesion in Vascular Biology**

Catalog Number: 4822

Denisa D. Wagner (Medical School) 2092

***Pathology 347. Genetic, Molecular, and Cellular Analysis of Nervous System Function and Development**

Catalog Number: 7591

Anne C. Hart (Medical School) 1010

***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. The Molecular Causes of Aging**

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. Identify Mammalian Short RNAs, their Cognate mRNA Targets, and the Factors that are Involved in Gene Silencing**

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. Ovarian Cancer Pathogenesis and Early Detection - (New Course)**

Catalog Number: 8863

Ronny I. Drapkin (Medical School) 5912

***Pathology 381. Ras Signaling and Colon Cancer - (New Course)**

Catalog Number: 7281

Kevin M. Haigis (Medical School) 5913

***Pathology 382. Mechanisms of Acute and Chronic Allograft Rejection - (New Course)**

Catalog Number: 1744

Richard N. Mitchell (Medical School) 5916

***Pathology 383. Cell Cycle, Ubiquitination and Protein Degradation, Cancer Research - (New Course)**

Catalog Number: 9068

Wenyi Wei (Medical School) 5918

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

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). M., 2:30–4; W., 3–5.

Introduction to virology. The lecture component reviews the basic principles of virology and introduces the major groups of animal 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 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) and James M. Cunningham (Medical School)

Half course (spring term). Tu., Th., 2:30–4.

Course focuses on virus-host interactions. Topics include virus structure/replication, pathogenesis, evolution (“emerging viruses”), chronic infection and latency, innate and adaptive immunity, anti-viral drugs/vaccines. Literature-based critical reading and discussion.



Note: Offered jointly with the Medical School as MG 723.0.

Prerequisite: For undergraduates, junior standing and permission is required.

Virology 202. Animal Virology: Seminar

Catalog Number: 6025

Michael R. Farzan (Medical School), David T. Evans (Medical School), Welkin E. Johnson (Medical School), Jae Ung Jung (Medical School), and Frederick C. Wang (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 302. Molecular and Biological Aspects of Herpes Simplex Virus (HSV) Gene Expression, DNA Replication and Latency**

Catalog Number: 3147

Priscilla A. Schaffer (Medical School) 4873

***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 (on leave spring term)



***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 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 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

Alan N. Engelman (Medical School) 2196

Half course (fall term). Tu., Th., 5–6:30.

Critical evaluation of virology-related papers reporting a seminal contribution, strong methodological approaches or, in some cases, due to errors in methodology or author interpretation. Requirements include written critiques and class participation.

Note: Offered in the month of January.



***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 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 - (New Course)**

Catalog Number: 8409

Dan Hung Barouch (Medical School) 5744

Medieval Studies

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Medieval Studies

Nicholas Watson, Professor of English (*Chair*)

Charles Donahue, Jr., Paul A. Freund Professor of Law (*Law School*)

John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature

Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*on leave spring term*)

Virginie Greene, Professor of Romance Languages and Literatures, Harvard College Professor (*on leave 2007-08*)

Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture (*on leave 2007-08*)

Michael J. Hemment, Research Librarian and Head of Scholarly Research Initiatives, Head of Research and Learning Technology



Baber Johansen, Professor of Islamic Studies (*Divinity School*)
 Ioli Kalavrezou, Dumbarton Oaks Professor of Byzantine Art
 Thomas Forrest Kelly, Morton B. Knafel Professor of Music
 Beverly M. Kienzle, John H. Morison Professor of the Practice of Latin and Romance Languages, Lecturer on Medieval Christianity, and Director of Language Studies (*Divinity School*)
 Angeliki E. Laiou, Dumbarton Oaks Professor of Byzantine History
 Kevin J. Madigan, Professor of the History of Christianity (*Divinity School*)
 Michael McCormick, Francis Goelet Professor of Medieval History
 Catherine McKenna, Margaret Brooks Robinson Professor of Celtic Languages and Literatures
 Stephen A. Mitchell, Professor of Scandinavian and Folklore
 John E. Murdoch, Professor of the History of Science (*on leave spring term*)
 Tomás Ó Cathasaigh, Henry L. Shattuck Professor of Irish Studies (*on leave fall term*)
 Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave 2007-08*)
 Panagiotis Roilos, Professor of Modern Greek Studies and of Comparative Literature
 Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
 James Simpson, Donald P. and Katherine B. Loker Professor of English (*on leave spring term*)
 Christine Smith, Robert C. and Marian K. Weinberg Professor of Architectural History (*Design School*)
 William P. Stoneman, Florence Fearington Librarian of the Houghton Library
 Hugo van der Velden, Professor of History of Art and Architecture
 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 graduate student Medieval Society, 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 pamphlet on Medieval Studies and 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: Art and Architecture in Western Europe, 950–1250]

Catalog Number: 9420

Christine Smith (Design School)

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

An introduction to selected works of architecture, sculpture, and painting from the revival of monumental building around the turn of the millennium to the gothic cathedral. Topics include Ottonian art; the Millennium; monasticism; pilgrimage; the idea of Antiquity; and the forging of new values. Emphasis on close examination of relatively few works in the context of each historical theme or problem, and on the diversity of cultural contexts and artistic manifestations.

Note: Expected to be given in 2008–09. Offered jointly with the Graduate School of Design as 4358. Meets at the Graduate School of Design, Gund Hall.

[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 2009–10. 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., 11:30–1. EXAM GROUP: 13, 14

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 *The Vision of Paul*, Dante's *Inferno*, Chaucer's *House of Fame*, *The Romance of the Rose*, and works by Augustine, Macrobius, and Julian of Norwich.

[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 2008–09. 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). M., W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

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: 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 2009–10.

[*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 2008–09. 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 - (New Course)

Catalog Number: 8726

Beverly M. Kienzle (Divinity School)

Half course (fall term). W., 3–5:30. EXAM GROUP: 8, 9



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: 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 - (New Course)

Catalog Number: 3648

Beverly M. Kienzle (Divinity School)

Half course (spring term). W., 3–5:30. EXAM GROUP: 8, 9

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: 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 (fall 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 2008–09. 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 (fall 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.

Graduate Course

***Medieval Studies 300hf (formerly Medieval Studies 300). Medieval Studies Interdisciplinary Workshop - (New Course)**

Catalog Number: 5321

Katharine Park 2974 (on leave 2007-08) and Nicholas Watson 3851

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

[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-11. The Crusades]

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

[Literature and Arts A-11. Arthurian Literature: Epic versus Romance]

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

[Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France]

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

[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 113. Gaelic Women's Poetry]

[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 166. The Folklore of Women]

[Celtic 184. The *Táin*]

[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 222. Early Irish Manuscript Tradition](#)

[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

[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 185. Workshop in Greek Palaeography](#)
[Medieval Latin 105 \(formerly Medieval Latin 205\). *The Waltharius*](#)
[Modern Greek 145 \(formerly Comparative Literature 145\). Dreams and Literature - \(New Course\)](#)

English and American Literature and Language

[English 10a. Major British Writers I](#)
[*English 90cd. Introduction to Medieval Drama - \(New Course\)](#)
[*English 90cl. Comic Literature through the Middle Ages](#)
[English 101. The History and Structure of the English Language](#)
[English 102e. Anglo-Saxon Language and Culture: Introduction to Poetry](#)
[English 103e. Anglo-Saxon Language and Culture: *Beowulf* and Elegy](#)
[English 115b. Chaucer: *The Canterbury Tales*](#)
[*English 201. Images, Idolatry and Iconoclasm, 1350-1600: Graduate Seminar](#)
[*English 203. Early Women Writers: Graduate Seminar - \(New Course\)](#)
[*English 300hf. Old and Middle English: Doctoral Conference](#)

Folklore and Mythology

[*Folklore and Mythology 98a \(formerly *Folklore and Mythology 97b\). Oral Literature and the History of Folkloristics](#)
[Folklore and Mythology 106. Witchcraft and Charm Magic]
[Folklore and Mythology 111. In Search of Sung Narrative - \(New Course\)](#)
[Folklore and Mythology 162. Edda and Saga: Myth and Reality of the Viking Age]

Germanic Languages and Literatures

[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 10a. Western Societies, Politics, and Cultures: From Antiquity to 1650](#)
[History 20b. Western Intellectual History: The Middle Ages to the Seventeenth Century](#)



History 1101. Medieval Europe

[History 1111. The Fall of the Roman Empire]

[History 1121. Vengeance, Hatred, and Law in Premodern Europe]

[*History 1122. Persons and Things in Medieval Europe: Reading Seminar]

***History 1123. Material Cultures: England and France: Reading Seminar - (New Course)**

History 1124. Archaeology of Urban Identities - (New Course)

History 1150. The Jews in Muslim and Christian Spain

[*History 1166. Family, Sex, and Marriage in Western Europe, East and West in the Medieval and Early Modern Period: Reading Seminar]

***History 1212. The Imperial System: Byzantine Society and Civilization, 8thc.-1204: Reading Seminar**

***History 1344. Early Modern Europe, 1400-1750: Reading Seminar - (New Course)**

History 1427. Women's Voices in Medieval and Early Modern Europe - (New Course)

History 1877a. History of the Near East, 600-1055

[*History 1877b. History of the Near East, 1055-1517: Reading Seminar]

History 1878a. Ottoman State and Society I (1300–1550)

***History 1942. The Historiography of Renaissance and Reformation Europe, 1450-1650: Reading Seminar**

[*History 2101. Medieval Societies and Cultures: Proseminar]

***History 2120. Problems in Byzantine History: Proseminar**

History 2122. Early Medieval History: Seminar: Communications in the Early Medieval Mediterranean

[History 2125. Problems in High and Late Medieval History: Seminar]

History 2126. Medieval Law

History 2271r. Topics in Byzantine History: Seminar

History 2310. Problems in Late Medieval and Early Modern Europe 1250-1750: Seminar

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 97. Tutorial - Sophomore Year - (New Course)**

History of Art and Architecture

History of Art and Architecture 12y. Introduction to Islamic Art: Visual and Portable Arts in Context

[History of Art and Architecture 14k. Art, Faith and Power: Introduction to Early Christian and Byzantine Art]

[History of Art and Architecture 14n. From the Carolingians to the Capetians: Topics in Medieval Art]

[History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650)]

[*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)]



History of Art and Architecture 128. Topics in Arabic Art and Culture: Proseminar

[*History of Art and Architecture 140h (formerly History of Art and Architecture 40).
Court and Cloister in the Later Middle Ages]

***History of Art and Architecture 140r. Family and Daily Life in Byzantium - (New Course)**

[*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 152. Italian Renaissance Art]

History of Art and Architecture 152m. Leonardo da Vinci - (New Course)

History of Art and Architecture 155p. Jan van Eyck and the Rise of Painting - (New Course)

***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 - (New Course)**

[*History of Art and Architecture 240r. Byzantine Art]

[*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 - (New Course)**

[*History of Art and Architecture 242. Issues of Interpretation in Medieval Art]

***History of Art and Architecture 243n. Hieronymus Bosch - (New Course)**

[*History of Art and Architecture 245. Jan and Hubert van Eyck: The Ghent Altarpiece]

***History of Art and Architecture 246v. In Exile: Gaze, Space and Displacement in Italian Art in an European and Mediterranean Context, 13th to 15th century - (New Course)**

***History of Art and Architecture 252v. Albrecht Dürer and the Low Countries**

[*History of Art and Architecture 252y. Pieter Bruegel]

***History of Art and Architecture 254p. The Invention of the Portrait - (New Course)**

[*History of Art and Architecture 256m. Alberti's Renaissance]

***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. Medicine, Magic, and Miracles in Medieval and Renaissance Europe

[*History of Science 207r. Medieval Science: Seminar]

[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]

[Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages]

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]

Near Eastern Languages and Civilizations

[Arabic 120a. Intermediate Classical Arabic I]

[Arabic 120b. Intermediate Classical Arabic II]

[Arabic 146r. History of the Arabic Languages](#)

[Arabic 150r. History of Classical Arabic Literature]

[Arabic 160r. Readings in Arabic Historians, Geographers, and Biographers]

[Arabic 230a. Hadith I: Seminar]

[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](#)

[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 - \(New Course\)](#)

[Hebrew 217. The Medieval Torah Commentary: A Practical Introduction: Seminar]

[Islamic Civilizations 120. The Muslim Mediterranean City](#)

[Islamic Civilizations 146. al-Ghazali: Theologian and Mystic] - (New Course)

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

[Jewish Studies 142. Gender Roles and the Role of Gender: Jewish Society in Medieval and Early Modern Europe]

[Jewish Studies 215. Does Glikl Stand Alone? Jewish Autobiographical Writing, 14th - 19th Centuries]

[Turkish 145. Introduction to Old Anatolian Turkish](#)

[Turkish 146. Readings in Old Anatolian Turkish Narrative Prose]



[Turkish 152. Middle Turkic]

[Turkish 240. Readings in Ottoman Sources](#)

The Study of Religion

[Religion 1011. The Tree at the Center of the World]

[Religion 1028. Icon or Idol? Attitudes to the Sacred Image - \(New Course\)](#)

[Religion 1077. Islam Through Western Christian Eyes] - (New Course)

[Religion 1434. History of Western Christianity, 150-1100](#)

[Religion 1437. History of Western Christianity: 1100–1500](#)

[Religion 2426. Editing Greek Christian Literature: Seminar](#)

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 111. Violence: Medieval French Responses - \(New Course\)](#)

[French 112. From the Troubadour to the “Grand Rhétoriqueur”: Lyric Poetry in Medieval France (12th to 15th Century)]

[French 115. Animals, Monsters and the Medieval Imagination - \(New Course\)](#)

[French 213. In Search of a Medieval Subject]

[Italian 123. Semantics of Desire: Love in Dante’s Poetry]

[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 in Comparative Perspective](#)

[Romance Studies 82. The Middle Ages at the Movies]

[Spanish 70a. Heroes, Rogues, Saints, Sinners: Archetypes of Spanish Literature](#)

[Spanish 120. Medieval Spain in the *Poem of the Cid*]

[Spanish 201. The History of the Spanish Language](#)

[Spanish 204. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel]

Slavic Languages and Literatures

[Slavic 206. Topics in Russian Literature: From the Origins of East Slavic Writing to 1750 - \(New Course\)](#)

[Slavic 280r. Slavic Culture: Seminar]

[Slavic 295. The Language of Medieval Novgorod: Seminar]

Middle East Program



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Middle Eastern Studies

Steven C. Caton, Professor of Contemporary Arab Studies (*Chair*)
 Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Sugata Bose, Gardiner Professor of Oceanic History and Affairs
 Marwa S. Elshakry, Assistant Professor of the History of Science (*on leave spring term*)
 Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
 William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment
 Engseng Ho, Professor of Anthropology (*on leave spring term*)
 Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations
 E. Roger Owen, A. J. Meyer Professor of Middle East History
 David J. Roxburgh, Prince Alwaleed bin Talal Professor of Islamic Art History
 A. Hashim Sarkis, Aga Khan Professor of Landscape Architecture and Urbanism in Muslim Societies (*Design School*)

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*.

Mind, Brain, and Behavior

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Mind, Brain, and Behavior

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (FAS) and Professor of Ophthalmology (Medical School) (Co-Chair)

Richard W. Wrangham, Harvard College Professor and Ruth Moore Professor of Biological Anthropology (Co-Chair)



Cedric Boeckx, Associate Professor of Linguistics
 Richard T. Born, Professor of Neurobiology (*Medical School*)
 Randy L. Buckner, Professor of Psychology
 Verne S. Caviness, Jr., Giovanni Armenise - Harvard Professor of Neurology (*Medical School*)
 Gennaro Chierchia, Haas Foundations Professor of Linguistics
 Peter T. Ellison, John Cowles Professor of Anthropology
 Florian Engert, Associate Professor of Molecular and Cellular Biology
 Joshua Fineberg, John L. Loeb Associate Professor of the Humanities
 Kurt W. Fischer, Charles Bigelow Professor of Education (*Education School*)
 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*)
 Peter Godfrey-Smith, Professor of Philosophy (*on leave 2007-08*)
 Joshua D. Greene, Assistant Professor of Psychology
 Anne Harrington, Harvard College Professor and Professor of the History of Science
 Marc D. Hauser, Professor of Psychology
 Sean D. Kelly, Professor of Philosophy (*on leave 2007-08*)
 Cheryl D. Knott, Associate Professor of Anthropology
 Edward A. Kravitz, George Packer Berry Professor of Neurobiology (*Medical School*)
 David I. Laibson, Robert I. Goldman Professor of Economics, Harvard College Professor
 Jeff W. Lichtman, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 Margaret S. Livingstone, Professor of Neurobiology (*Medical School*)
 Richard J. McNally, Professor of Psychology
 Jason P. Mitchell, Assistant Professor of Psychology
 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, Johnstone Family Professor of Psychology, Harvard College Professor
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Susanna Siegel, Professor of Philosophy
 Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology
 Robert A. Stickgold, Associate Professor of Psychiatry (*Medical School*)
 Mark Tramo, Assistant Professor of Neurology (*Medical School*)

Other Faculty Offering Instruction in Mind, Brain, and Behavior

Nancy Lee Etcoff, Clinical Instructor in Psychology (*Medical School*)
 Gene M. Heyman, Lecturer in Psychiatry (*Medical School*)
 Alan A. Stone, Touroff-Glueck Professor of Law and Psychiatry (*Law School, Medical School*)

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 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 (formerly Biological Sciences 80). Neurobiology of Behavior
Science B-62. The Human Mind

Primarily for Undergraduates: Interdisciplinary Seminars

***Mind, Brain, and Behavior 92 (formerly Psychology 987d). Conscious Experience: Image, Space, and Self - (New Course)**

Catalog Number: 7390

John E. Dowling

Half course (spring term). M., 2–4.

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 - (New Course)**

Catalog Number: 5017

Robert A. Stickgold (Medical School)

Half course (spring term). Tu., 1–3.

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.

***Mind, Brain, and Behavior 94 (formerly Psychology 987g). Theories of Violence - (New Course)**

Catalog Number: 3767

Alan A. Stone (Law School, Medical School)

Half course (fall term). Tu., 2–4.

Considers how law and science construct violence. Review clinical examples of violence (videotapes of a serial killer, a sexually violent predator, and a case of maternal infanticide) and the responses of law enforcement and the criminal justice system. Then examine the spectrum of scientific theories that seek to explain human violence and their relevance to law.

***Mind, Brain, and Behavior 95 (formerly Psychology 987h). Drug Use, Behavior, and Choice - (New Course)**

Catalog Number: 4890

Gene M. Heyman (Medical School)

Half course (fall term). Tu., 4–6.

Current advances in the understanding of choice (sometimes called behavioral economics) provide a framework for understanding addiction and other forms of excessive consumption. Topics include key findings in the study of choice, the history of opiate use, heroin addiction, epidemiology of drug dependence, obsessive compulsive disorder, genetic influences on alcohol and drug use, and drug-induced neuroadaptation.

***Mind, Brain, and Behavior 96 (formerly Psychology 987i). The Science of Happiness - (New Course)**

Catalog Number: 2517

Nancy Lee Etcoff (Medical School)

Half course (spring term). Th., 1–3.

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 98 (formerly *Mind, Brain, and Behavior 91). Music and the Brain - (New Course)**

Catalog Number: 3562

Mark Tramo (Medical School)

Half course (spring term). W., 6:30–9:30 p.m.

Takes a multidisciplinary approach to understanding brain mechanisms that govern music perception and cognition. Students master relevant topics in psychoacoustics, cognitive psychology, functional neuroanatomy, neurophysiology, and neurology. Individual seminars are thematic (e.g., harmony perception; emotion and meaning in music; talent and creativity). Also



provides students with the opportunity to develop oral presentation skills and to learn how to read science literature critically.

For Undergraduates and Graduates

***Mind, Brain, and Behavior 152. Consumable Science - (New Course)**

Catalog Number: 0808 Enrollment: Limited to 25.

Marc D. Hauser

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

We live in a consumer society. Scientists have missed an opportunity to turn their findings into consumable morsels. This course has two goals. First, we will grapple with the most controversial scientific problems today--stem cells, evolution, neuroethics, genetic enhancements--and attempt to turn the complexities into simple take home messages. Second, we will create a marketing campaign converting these facts into consumable products, digestible by the citizens of Boston and beyond.

Prerequisite: One of the following: Life Sciences 1a, Psychology 1, Psychology 13, Science B-29, or Science B-62.

Additional Interdisciplinary Seminars

***History of Science 145 (formerly *History of Science 90m). Medicine and Deviance: Conference Course**

History of Science 174. Critical Experiments in the Human Sciences: Conference Course
Human Evolutionary Biology 1312. Human Sexuality: Research and Presentation Seminar
Human Evolutionary Biology 1355. Darwin Seminar: Evolution and Religion

[Human Evolutionary Biology 1365. Topics in Human Sex Differences: Research Seminar]
[Music 235r. Cognitive Theories of Music]

***Neurobiology 95a. Can We Learn About How We Learn? Neurogenetics in Learning and Memory - (New Course)**

***Neurobiology 95hfb. Neurobiology of Decision-Making - (New Course)**

***Neurobiology 95hfc. Experience-Based Brain Development: Causes and Consequences - (New Course)**

***Neurobiology 95hfd (formerly *Biology 95hfd). Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

***Neurobiology 95hfi (formerly *Biology 95hfi). Eye Can't Hear You: Blindness and Deafness in Society**

***Neurobiology 95hfj (formerly *Biology 95hfj). The Sleeping Brain**

***Neurobiology 95hfk (formerly *Biology 95hfk). Mechanisms of Neurological Disease**

Courses for Undergraduates and Graduates

Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry - (New Course)

Neurobiology 101. Auditory Neurobiology of Language and Music - (New Course)

Neurobiology 209. Neurobiology of Disease

Science B-60. Origins of Knowledge



Additional Courses

[Anthropology 1640 (formerly Anthropology 104). Language and Culture]
[Anthropology 2305. Advanced Topics in Human Evolutionary Biology](#)
[Anthropology 2312. Current Topics in Human Evolutionary Genetics](#)
[Anthropology 2325. Topics in Genetics, Genomics and Evolution]
[Anthropology 2430 \(formerly Anthropology 229\). Behavioral Biology Seminar](#)
[Anthropology 2442. Primate and Human Juveniles]
[Anthropology 2452. Evolution of Human Family] - (New Course)
[*Anthropology 2595ar \(formerly *Anthropology 295ar\). Laboratory Methods in Evolutionary Genetics](#)
[*Anthropology 2595br \(formerly *Anthropology 295br\). Laboratory Methods in Evolutionary Genetics](#)
[Anthropology 2660 (formerly Anthropology 221). The Anthropology of Knowledge: Seminar]
[Anthropology 2704. Linguistic Pragmatics and Cultural Analysis in Anthropology]
[Anthropology 2735. The Anthropology of Science: Methods and Theory - \(New Course\)](#)
[Anthropology 2740 (formerly Anthropology 245). Culture and Mental Illness]
[Anthropology 2750 (formerly Anthropology 250). Local Biologies: Perspectives on the Interaction Between Culture and Biology]
[*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 Planning Systems](#)
[Computer Science 286r. Topics at the Interface between Computer Science and Economics](#)
[Computer Science 287r. Natural Language Processing](#)
[Computer Science 288. Computational Models of Discourse]
[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 148. Neural Signal Processing]
[Engineering Sciences 149. Neural Control of Movement]
[Engineering Sciences 157. Speech and Audio Processing]
[Engineering Sciences 217r (formerly Engineering Sciences 217). Computational Neuroscience]
[Engineering Sciences 218. Advanced Neural Signal Processing]



[*Freshman Seminar 21j. Human Evolution]

[*Freshman Seminar 21o. The Neurophysiology of Visual Perception](#)

[*Freshman Seminar 22m. The Human Brain - \(New Course\)](#)

[*Freshman Seminar 25w. Responsibility, the Brain, and Behavior](#)

[*Freshman Seminar 25z. Stress and Disease \(Biobehavioral Aspects of Health and Disease\)](#)

[*Freshman Seminar 26m. Human Development: Early Experience and Developmental Programming](#)

[*Freshman Seminar 26u. What is Mental Illness? - \(New Course\)](#)

[*Freshman Seminar 31j. Skepticism and Knowledge](#)

[*Freshman Seminar 32l. Freud - \(New Course\)](#)

[*Freshman Seminar 40l. Globalization and Global Justice](#)

[*Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test](#)

[German 148. Freud]

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

[*History 1444. John Locke: Research Seminar](#)

[History 1470. Modern European Intellectual History Subject and Structure, Nietzsche to Postmodernism](#)

[*History 1472. Epistemic Regimes: Research Seminar]

[History of Science 146v. Measuring Humankind: Conference Course - \(New Course\)](#)

[History of Science 148v. Alcohol and Drugs in American Society - \(New Course\)](#)

[History of Science 176. Evolution and Human Nature: Conference Course]

[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 273. Freud and the American Academy]

[Human Evolutionary Biology 1310 \(formerly Anthropology 1310\). Hormones and Behavior](#)

[Human Evolutionary Biology 1330 \(formerly Anthropology 1330\). Primate Social Behavior](#)

[Human Evolutionary Biology 1368. Evolution of Human Sex Differences]

[*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 1415 \(formerly Anthropology 1415\). Primate Evolutionary Ecology: Research Seminar](#)

[*Human Evolutionary Biology 1418 \(formerly *Anthropology 1418\). Endocrinology and Behavior: Research Seminar](#)

[*Human Evolutionary Biology 1463 \(formerly *Anthropology 1463\). Molecular Evolution of the Primates](#)

[Human Evolutionary Biology 1490. Primate Evolution] - (New Course)

[Human Evolutionary Biology 1565. Theories of Sexual Coercion - \(New Course\)](#)

[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 114. Introduction to Morphology]

[Linguistics 115a \(formerly Linguistics 115\). Introduction to Phonetics and Phonology](#)

[Linguistics 115b. Intermediate Phonology] - *(New Course)*

[Linguistics 116a \(formerly Linguistics 116\). Introduction to Semantics](#)

[Linguistics 116b. Intermediate Semantics]

[Linguistics 130. Psycholinguistics]

[Linguistics 132. Psychosemantics - *\(New Course\)*](#)

[Linguistics 145. Logical Form]

[Linguistics 146. Syntax and Processing]

[Linguistics 148. Language Universals - *\(New Course\)*](#)

[Linguistics 188r \(formerly Linguistics 188\). Bilingualism](#)

[Linguistics 202r \(formerly Linguistics 202\). Advanced Syntax](#)

[Literature and Arts A-35. Tragic Drama and Human Conflict](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics]

[MCB 105. Systems Neuroscience](#)

[MCB 115. Cellular Basis of Neuronal Function](#)

[MCB 117. Experimental Neuroscience]

[*MCB 129. Molecular Genetics of Neural Development and Behavior](#)

[MCB 141. Molecular and Developmental Neurobiology]

[MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation](#)

[Microbiology 213. Social Issues in Biology](#)

[Music 230r \(formerly Music 230ar\). Topics in Music Theory I](#)

[Neurobiology 130 \(formerly Psychology 1205\). Interventions for 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 209. Neurobiology of Disease](#)

[*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 174r. Topics in Behavioral Ecology]

[OEB 223. Topics in Neurogenetics - *\(New Course\)*](#)

[*Pathology 205. Molecular Biology of the Auditory System]

[Philosophy 3. Introduction to the Problems of Philosophy](#)

[Philosophy 8. Introduction to Early Modern Philosophy](#)

[Philosophy 144. Logic and Philosophy]

[*Philosophy 146y. Meaning, Quantification and Number: Proseminar - *\(New Course\)*](#)

[Philosophy 147. Philosophy of Language](#)

[Philosophy 156. Philosophy of Mind](#)



[*Philosophy 158y. Other Minds: Proseminar - \(New Course\)](#)
[Physics 140. Introduction to Biophysics](#)
[Physics 141. The Physics of Sensory Systems in Biology]
[Psychology 1. Introduction to Psychology](#)
[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 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses](#)
[*Psychology 975. Contemporary Issues in Psychology: Intensive Cross-level Analyses for Social and Cognitive Neuroscience](#)
[*Psychology 980h. Development of Social Cognition - \(New Course\)](#)
[*Psychology 980ll. Developmental Psychopathology]
[*Psychology 980mm. Creativity: Madmen, Geniuses, and Harvard Students](#)
[*Psychology 980v. The Insanity Defense](#)
[*Psychology 1150. Perception - \(New Course\)](#)
[*Psychology 1151. Cognitive Evolution: Theory and Practice](#)
[*Psychology 1152r. Cognitive Evolution Lab](#)
[Psychology 1201. Your Brain on Drugs: Psychopharmacology](#)
[Psychology 1301. Cognitive Neuroscience]
[*Psychology 1302. Psychology of Language](#)
[*Psychology 1304. Cognitive Neuropsychology](#)
[*Psychology 1306. Language and Thought]
[*Psychology 1351. Animal Cognition - \(New Course\)](#)
[*Psychology 1352. Foundations of Cognitive Neuroscience Research](#)
[*Psychology 1353. Avian Cognition]
[*Psychology 1354. Classic Papers on Memory \(and the Ones that Got Away!\) - \(New Course\)](#)
[*Psychology 1356r. Laboratory in Language Research]
[*Psychology 1359. Words, Actions, and Objects - \(New Course\)](#)
[Psychology 1430. Human Memory and Amnesia](#)
[*Psychology 1451. Laboratory in Visual Perception]
[Psychology 1501. Social Psychology of Organizations](#)
[Psychology 1505. Social Cognition](#)
[*Psychology 1506. Social Neuroscience]
[*Psychology 1551. Mind Perception]
[*Psychology 1553. Positive Intergroup Relations]
[*Psychology 1557. Self and Identity: Seminar]
[*Psychology 1572. Stress and Health: Concentration Seminar]
[*Psychology 1602. Developmental Disorders as a Window on Cognitive Development]
[Psychology 1603. Adolescent Development]
[Psychology 1606 (formerly Psychology 1671). Language Development]
[Psychology 1607. Cognitive Development, Education, and the Brain](#)
[*Psychology 1651. Language Development: Undergraduate Laboratory Course] - (New Course)



[*Psychology 1652r. Laboratory in Early Cognitive Development](#)
[*Psychology 1655. Conceptual Development: Undergraduate Laboratory Course](#)
[*Psychology 1659. Social and Emotional Development: Seminar]
[Psychology 1702. Emotion](#)
[Psychology 1801. Anxiety Disorders]
[*Psychology 1851. Clinical Psychology: Science and Practice](#)
[Psychology 1854. Schizophrenia: Seminar]
[*Psychology 1855. Mood Disorders]
[*Psychology 1861. Developmental Psychopathology](#)
[*Psychology 2050. History of Psychology: Seminar](#)
[Psychology 2110. Emotional Development: Biology, Relationships, Culture]
[*Psychology 2170. Developmental Proseminar](#)
[*Psychology 2190. Topics in Language Acquisition]
[*Psychology 2280. Language and Human Nature](#)
[*Psychology 2300r. Perception, Cognition, and Representation: Seminar](#)
[*Psychology 2320. Applying fMRI to Cognitive Research]
[*Psychology 2335r. Language: Research Seminar]
[*Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects](#)
[*Psychology 2351. Construction and Function of Memory: Seminar]
[*Psychology 2352r. Laboratory for Social Cognitive Neuroscience](#)
[*Psychology 2354r. Advanced Laboratory in Cognitive Neuroscience - \(New Course\)](#)
[*Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar](#)
[*Psychology 2358r. Memory: Research Seminar](#)
[*Psychology 2370. The Development of Social Cognition]
[*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 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 - \(New Course\)](#)
[*Psychology 2570r. Intergroup Relations: Research Seminar](#)
[*Psychology 2580r. Affective Forecasting: Research Seminar](#)
[*Psychology 2590. Controversies in Emotion Research - \(New Course\)](#)
[*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 \(formerly *Psychology 1571a\). Decision Making I](#)
[*Psychology 2670b \(formerly *Psychology 1571b\). Decision Making II](#)
*Psychology 3260 (formerly *Psychology 2360). Conceptual Development: Research Seminar



***Psychology 3270 (formerly *Psychology 2270). Language Acquisition: Research Seminar**

[Quantitative Reasoning 22. Deductive Logic](#)

[Science B-27. Human Evolution](#)

[\[Science B-44. Vision and Brain\]](#)

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

[Science B-62. The Human Mind](#)

[\[Social Analysis 28. Culture, Illness, and Healing: An Introduction to Medical Anthropology\]](#)

[Social Analysis 34. Knowledge of Language](#)

[Social Analysis 43. Psychological Trauma](#)

[Systems Biology 200 \(formerly Systems Biology 101\). 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*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

Victoria M. D'Souza, Assistant Professor of Molecular and Cellular Biology

John E. Dowling, Gordon and Llura Gund Professor of Neurosciences (*FAS*) and Professor of Ophthalmology (*Medical School*)

Kevin C. Eggan, Assistant Professor of Stem Cell & Regenerative Biology

Florian Engert, Associate Professor of Molecular and Cellular Biology

Raymond L. Erikson, American Cancer Society Professor of Cellular and Developmental Biology

William D. Fixsen, Senior Lecturer on Molecular and Cellular Biology

Nicole J. Francis, Assistant Professor of Molecular and Cellular Biology

Rachelle Gaudet, Associate Professor of Molecular and Cellular Biology, Co-Head Tutor in Biochemical Sciences (*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 (*on leave spring term*)

Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*) and Professor of Neurology (*Medical School*)

Craig P. Hunter, Professor of Molecular and Cellular Biology (*on leave 2007-08*)

David Jeruzalmi, Associate Professor of Molecular and Cellular Biology

Nancy Kleckner, Herchel Smith Professor of Molecular Biology (*on leave spring term*)



Jeremy R. Knowles, Harvard University Distinguished Service Professor and Amory Houghton Professor of Chemistry and Biochemistry (*on leave 2007-08*)
 Samuel M. Kunes, Professor of Molecular and Cellular Biology
 Jeff W. Lichtman, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 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*)
 Thomas Maniatis, Jeremy R. Knowles Professor of Molecular and Cellular Biology
 Andrew P. McMahon, Frank B. Baird, Jr. Professor of Science
 Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology
 Douglas A. Melton, Thomas Dudley Cabot Professor of the Natural Sciences
 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
 Venkatesh N. Murthy, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences
 David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics
 Axel Nohturfft, Associate Professor of Molecular and Cellular Biology
 Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
 Hidde Ploegh, Visiting Professor of Molecular and Cellular Biology (*MIT*)
 Joshua R. Sanes, Professor of Molecular and Cellular Biology
 Vicki L. Sato, Professor of the Practice of Molecular and Cellular Biology (*FAS*) and Professor of Management Practice (*Business School*)
 Alexander F. Schier, Professor of Molecular and Cellular Biology
 Haim I. Sompolinsky, Visiting Professor of Molecular and Cellular Biology (*Hebrew University*)
 Jack L. Strominger, Higgins Professor of Biochemistry
 Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology
 Alain Viel, Senior Lecturer on Molecular and Cellular Biology

Associate Members of the Department of Molecular and Cellular Biology

Stephen C. Blacklow, Associate Professor of Pathology (*Medical School*)
 Stuart L. Schreiber, Morris Loeb Professor of Chemistry
 Gregory L. Verdine, Erving Professor of Chemistry

Other Faculty Offering Instruction in Molecular and Cellular Biology

Daniel Branton, Higgins Professor of Biology, *Emeritus*
 Charles A. Czeisler, Frank Baldino, Jr., PhD, Professor of Sleep Medicine (*Medical School*)
 Mark C. Fishman, Senior Lecturer on Medicine (*Medical School*)
 Walter Gilbert, Carl M. Loeb University Professor, *Emeritus*
 Michael E. Greenberg, Professor of Neurology (*Medical School*)
 David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor*,



Biology)

Thomas Michel, Professor of Medicine (*Medical School*)

R. Clay Reid, Professor of Neurobiology (*Medical School*)

Aravinthan D. T. Samuel, Associate Professor of Physics

David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics

MCB concentrators participate in the Tutorial program beginning at the time of declaration. The Board of Tutors in Biochemical Sciences, which was established in 1926, runs the Tutorial program for the Molecular and Cellular Biology concentration and the Chemical and Physical Biology concentration. The MCB concentration is primarily concerned with the study of biological molecules and their interactions in the context of cells and tissues. 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 (formerly Biological Sciences 52). Molecular Biology

Catalog Number: 1938

Richard M. Losick

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; and concludes with an overview of gene regulation and systems biology.

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

Prerequisite: Life Sciences 1a, or by permission of the instructor. LS 1b recommended.

MCB 54 (formerly Biological Sciences 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 Core area requirement for Science B.

Prerequisite: Life Sciences 1a; Life Sciences 1b recommended.

MCB 56 (formerly Biological Sciences 56). Biochemistry and Physical Properties of Macromolecules



Catalog Number: 5424

Guido Guidotti

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

An introduction to the structure and function of macromolecules from the perspective of their physical properties. Topics include protein and nucleic acid structure; enzyme kinetics and mechanisms, with examples from intermediary metabolism; spectroscopic analysis; chemical equilibria and thermodynamic properties; behavior of macromolecules in solution, including random walks; macromolecular mechanics.

Prerequisite: MCB 52 and MCB 54 are recommended but not required; Chemistry 10 or equivalent; Chemistry 27 or Chemistry 30; Physics 11 (may be taken concurrently); Math 21a; Math 21b is recommended but not required.

MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

Catalog Number: 6052

Joshua R. Sanes and Jeff W. Lichtman

Half course (spring term). Tu., Th., 1–2:30 and one 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 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 - (New Course)

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

Molecular and Cellular Biology Supervised Reading and Research Courses

***MCB 91r. Introduction to Research**

Catalog Number: 0282

Richard M. Losick 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 paper must be submitted to the laboratory sponsor and to the Tutorial Office for review by the Course Director 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 Tutorial 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.



***MCB 99. Laboratory Research for Honors Thesis**

Catalog Number: 2987

Richard M. Losick 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 Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in MCB 99.

Biochemical Sciences Supervised Reading and Research Courses

***Biochemical Sciences 91r. Introduction to Research**

Catalog Number: 6083

Richard M. Losick and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Laboratory research in topics related to the Biochemical Sciences concentration under the direction of, or approved by, members of the Board of Tutors. A paper must be submitted to the laboratory sponsor and to the Tutorial Office for review by the Course Director and members of the Board of Tutors.

Note: Limited to Biochemical Sciences concentrators; written permission of both the tutor and laboratory sponsor must be submitted to the Tutorial Office prior to enrolling in the course. This introductory research course is intended to prepare students for Biochemical Sciences 99, and may ordinarily be repeated no more than once.

***Biochemical Sciences 99. Laboratory Research for Honors Thesis**

Catalog Number: 6670

Richard M. Losick and members of the Department

Full course (indivisible). Hours to be arranged.

For honors candidates writing a thesis in Biochemical Sciences. Indivisible for students enrolling in the fall term. Students intending to enroll in the fall are required to submit a written proposal to the Head Tutor. Students may enter the course at midyear only with the permission of the Head Tutor. The thesis proposal must be approved by the Head Tutor prior to enrolling in Biochemical Sciences 99.

Biology Supervised Reading and Research Courses

***Biology 91r. Supervised Reading**

Catalog Number: 2817

David A. Haig 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 Biology concentrators, work may be supervised by faculty in other departments, provided it is co-sponsored by a Biology faculty member. For nonconcentrators, work must be directed by a Biology faculty member. Students must submit a registration request to the Biology Undergraduate Office before enrollment.



Note: Cannot be repeated for concentration credit. Students must take Biology 91r and 99r with different directors.

Prerequisite: Four terms of biology.

***Biology 99r (formerly *Biology 98r, 99ar and 99b). Supervised Research**

Catalog Number: 8616

David A. Haig and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

This course is taken to obtain credit for independent research, including research undertaken for a senior thesis. Work should be directed by a member of MCB, OEB, or an affiliate of the Biology concentration. Other research sponsors must be approved by the Head Tutor and require an MCB or OEB co-sponsor. All students must submit registration materials for Biology 99r at the time of enrollment.

Note: Laboratory safety session required.

For Undergraduates and Graduates

MCB 105. Systems Neuroscience

Catalog Number: 0998

Florian Engert

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

Activity dependent modulation of neuronal connections will be explored in the context of learning, memory, and development of the nervous system. Special emphasis is placed on conditioning in invertebrates and mammals, processing of information in the mammalian hippocampus and visual system, and the activity dependent development of neural networks in culture and in vivo.

Prerequisite: MCB 80.

MCB 111 (formerly MCB 211). Mathematics in Biology

Catalog Number: 6444

Markus Meister

Half course (fall 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 Enrollment: Limited to 25.

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 117. Experimental Neuroscience]

Catalog Number: 3175 Enrollment: Limited to 16.

Markus Meister and members of the Faculty

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

An inquiry-based approach to neuroscience that uses state of the art technology to study the development and function of the nervous system. Topics include neural development, growth cone behavior, properties of voltage gated channels, systems neurobiology, and psychophysics. Experimental approaches include immunohistochemistry, molecular genetics, time lapse video-enhanced microscopy, gene expression of channels, whole cell voltage clamp, and extracellular recording.

Note: Expected to be given in 2008–09. Neuroscience projects will now be offered in Life Sciences 100r. Primarily for upper-level undergraduate and graduate students.

Prerequisite: MCB 80.

***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 Sciences 1a (or equivalent), Life Sciences 1b or MCB 54 recommended.

[MCB 120. Cell Cycle Control and Genome Stability]

Catalog Number: 3069 Enrollment: Limited to 20.

Matthew Michael and Raymond L. Erikson

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Covers the molecular biology and biochemistry of the cell cycle in normal and cancer cells. Explores how DNA replication, DNA repair, and cell cycle checkpoint pathways are integrated so that the repair of damaged DNA is coordinated with chromosomal duplication and cell cycle progression. Other aspects of the cell cycle control, such as initiation of cell proliferation, and entrance into and progression through mitosis, also covered. Consists of lectures and readings from the primary literature.

Note: Expected to be given in 2008–09.

Prerequisite: MCB 52 and MCB 54.

***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.

MCB 123. Mammalian Cell Physiology

Catalog Number: 4920 Enrollment: Limited to 25.

Axel Nohturfft

Half course (spring term). W., F., 10–11:30. EXAM GROUP: 3, 4

By following the fate of a hamburger sandwich, the course will explore the chemical composition of food, its digestion, and metabolism. Regulation of major metabolic pathways under different physiological conditions. Strong emphasis on scientific methods and strategies. Lectures and discussions of primary literature.

Prerequisite: MCB 52 and MCB 54 or permission of the instructor.

MCB 125. Stem Cells and Cloning

Catalog Number: 5481

Douglas A. Melton

Half course (spring term). M., W., 1–2:30; M., 1–2:30; M., 1–2:30; W., 1–2:30; W., 1–2:30.

EXAM GROUP: 6, 7

An advanced course in developmental biology. Embryonic and adult stem cells in different organisms will be examined in terms of their molecular, cellular and potential therapeutic properties. Genetic reprogramming by nuclear transfer and cloning animals will be critically evaluated. Current findings will be considered in a historical context; ethical and political considerations will not be ignored.

Prerequisite: MCB 52 and MCB 54, or permission of the instructor. MCB 118 is an ideal preparation.

***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 140. Introduction to Biophysics

Catalog Number: 9736 Enrollment: Limited to 40.

Howard C. Berg and Aravinthan D. T. Samuel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to the biology and physics of stochastic processes that affect the behavior of cells, biopolymers, and biological motors. Elements of probability and statistics, entropic elasticity, the random walk, diffusion, sedimentation, and electrophoresis. Applications to sensory physiology, cell motility, stretching and twisting of DNA, and the motion of motors along biopolymers.

Note: Given in alternate years. Lectures, problem sets, and discussions. May not be taken for



credit by students who have taken Physics 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a/15b or Physics 11a/11b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

[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; 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 2008–09.

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

This course aims to develop an understanding of the conceptual history of genetics, starting with Mendel and continuing with seminal papers on the chromosomal and molecular basis of heredity. Course work includes critical reading and group discussion of selected papers in classical and molecular genetics. A substantial essay on a mutually agreed upon topic is due at the end of reading period.

Prerequisite: Life Sciences 1b or equivalent and permission of the instructor.

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 Sciences 1a or equivalent, Life Sciences 1b or equivalent, and MCB 52.

MCB 151. From the Gene to the Phenotype - (New Course)

Catalog Number: 5799

William M. Gelbart

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

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 current state-of-the-art will be discussed.

Prerequisite: Life Sciences 1b, or Biological Sciences 50, or permission of the instructor.

***MCB 155. Molecular Mechanisms of Gene Control**

Catalog Number: 6230

Thomas Maniatis and Nicole J. Francis

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

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

Rachelle Gaudet and David Jeruzalmi

Half course (fall 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

Hidde Ploegh (MIT)

Half course (fall term). Tu., Th., 10–11:30, and one 90-minute discussion section weekly. EXAM GROUP: 12, 13

Basic elements of the immune system. Molecular biology of antigen recognition structures on B and T lymphocytes. Cellular and genetic basis of immunity. Regulation and development of the immune system.

Prerequisite: Life Sciences 1b or equivalent and MCB 52. Genetics and cell biology strongly recommended.

[MCB 173. Optical Imaging in the Biological Sciences]

Catalog Number: 3836 Enrollment: Limited to 30.

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 2008–09.

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, and membrane fusion.

Prerequisite: MCB 52 and MCB 54 are recommended but not required.

MCB 185. Molecular Pathophysiology and Pharmacology of Human Disease - (New Course)

Catalog Number: 1124

Vicki L. Sato and Gregory L. Verdine

Half course (spring term). Th., 2–5, and one weekly section to be arranged. 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 one-hour discussion section weekly. 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). Hours to be arranged.

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.

Note: Expected to be given in 2008–09.

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, Mark C. Fishman (Medical School), 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 2008–09. 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. Systems Biology - (New Course)

Catalog Number: 9112

Andrew W. Murray

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

Systems biology studies how individual molecules, cells, organisms, and populations interact to produce properties absent in their component parts. We consider the analysis of large datasets, phenomenological analysis of specific biological problems, and the interaction of theory, simulation, and experiment. We discuss general principles in biology and how evolutionary comparisons help us understand how cells and organisms grow, survive. Students will learn how to perform simulations in MATLAB.

Prerequisite: Life Sciences 1a and Life Sciences 1b, or permission of the instructor. MCB 52 and MCB 54 are 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

Applications of molecular thermodynamics and statistical mechanics to quantitative problems in biology such as gene regulation, protein transport and motor molecules, using the concepts of entropy, free energy, solution electrostatics, adsorption, and chemical kinetics. The dynamics of molecular diffusion and pattern formation will be discussed as well.

Note: Biology students without strong quantitative backgrounds may wish to take MCB 111 first.

Prerequisite: Two semesters of college calculus and some exposure to molecular and cellular biology. Experience with statistics and differential equations would be helpful.

MCB 254. Advanced Cell Biology - (New Course)

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 will be organized around important, unanswered questions in cell biology. Examples include what is the fate of the Golgi at mitosis? And, 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.

Cross-listed Courses

[Biophysics 101. Genomics and Computational Biology]

[Chemistry 163. Frontiers in Biophysics](#)

[Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human 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]

[Systems Biology 200 \(formerly Systems Biology 101\). A Systems Approach to Biology](#)

Primarily for Graduates

[MCB 200hf \(formerly MCB 200\). Research Design and Methods: Graduate Study in Molecular and Cellular Biology](#)

Catalog Number: 7215

David Jeruzalmi and Nicole J. Francis (fall term); Rachelle Gaudet and Matthew Michael (spring term)

Half course (throughout the year). M., 6–8. EXAM GROUP: 9

The goal of the course is to introduce the methods and logic of modern biology as developed through reading and discussion of research papers in biochemistry, cell biology, developmental biology, and neurobiology.

Note: Active participation in critical evaluations and discussions is required.

[MCB 206. Introduction to Connectomics - \(New Course\)](#)

Catalog Number: 2303

Jeff W. Lichtman, R. Clay Reid (Medical School) and members of the Department

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

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 (fall term). Hours to be arranged.

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: In addition to lecture material from the course head, 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 2008–09. 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). M., W., 2–4. EXAM GROUP: 7, 8

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 - (New Course)

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 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 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.

Cross-listed Courses

[Applied Physics 291. Electron Microscopy Laboratory](#)

[*Chemistry 270. Chemical Biology](#)

[Engineering Sciences 224. Laboratory in Engineering and Physical Biology - \(New Course\)](#)

[Microbiology 213. Social Issues in 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 302. Mechanisms of Epigenetic Reprogramming**

Catalog Number: 6640

Kevin C. Eggan 5373

***MCB 303. Mechanisms of Epigenetic Inheritance by Polycomb Group Proteins**

Catalog Number: 3144

Nicole J. Francis 5227

***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

***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 (on leave 2007-08)

***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 - (New Course)**

Catalog Number: 5728

Takao K. Hensch (Medical School) 5813

***MCB 329. Structural Biology of ATP-Dependent Chromatin Remodeling - (New Course)**

Catalog Number: 6060

Andres Leschziner 5928

***MCB 344. Molecular and Developmental Neurobiology**

Catalog Number: 2292

Catherine Dulac 2801

***MCB 359. Chromosomes**

Catalog Number: 6278

Nancy Kleckner 4697 (on leave spring term)



***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 369. Structure, Composition, and Function of Biological Membranes**

Catalog Number: 4636
Daniel Branton 4139

***MCB 373. Cellular Biochemistry and Physiology**

Catalog Number: 8053
J. Woodland Hastings 1311 (on leave spring term)

***MCB 374. Developmental Neurobiology**

Catalog Number: 6167
Samuel M. Kunes 3486

***MCB 376. Molecular Biology**

Catalog Number: 4159
Walter Gilbert 1306

***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 392. Lysosomal Cholesterol Transport**

Catalog Number: 7866
Axel Nohturfft 3826

***MCB 395. Mechanisms of Gene Regulation**

Catalog Number: 7697
Thomas Maniatis 7231

***MCB 396. Regulation of Mitosis**

Catalog Number: 5706
Andrew W. Murray 3765

***MCB 399. Vertebrate Developmental Biology**

Catalog Number: 7699
Douglas A. Melton 7232

Music

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Music

Ingrid Monson, Quincy Jones Professor of African-American Music, Supported by the Time Warner Endowment (*Chair*)



Carolyn Abbate, Fanny Peabody Professor of Music
 Mauro Calcagno, Associate Professor of Music
 Sean Gallagher, Associate Professor of Music (*on leave fall term*)
 Elliott John Gyger, Assistant Professor of Music (*fall term only*)
 Christopher Hasty, Walter W. Naumburg Professor of Music
 Thomas Forrest Kelly, Morton B. Knafel Professor of Music (*Head Tutor*)
 Robert D. Levin, Dwight P. Robinson, Jr., Professor of Music (*on leave 2007-08*)
 Jameson N. Marvin, Senior Lecturer on Music
 Carol J. Oja, William Powell Mason Professor of Music
 Matthew G. Peattie, Lecturer on Music
 Alexander Rehding, Professor of Music
 Sindhumathi Revuluri, Assistant Professor of Music
 Kay Kaufman Shelemay, G. Gordon Watts Professor of Music and Professor of African and African American Studies, Associate of Currier House (*on leave 2007-08*)
 Anne C. Shreffler, James Edward Ditson Professor of Music (*on leave 2007-08*)
 Daniel Stepner, Preceptor in Music
 John Stewart, Senior Preceptor in Music
 Hans Tutschku, Professor of Music
 Richard K. Wolf, Professor of Music
 Christoph Wolff, Adams University Professor (*on leave 2007-08*)
 James D. Yannatos, Senior Lecturer on Music

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

John Stewart

Half course (fall term; repeated spring term). Hours to be arranged.

Consists of two parts: (1) Basic piano skills involving sight-reading, score reading, figured bass realization, harmonization, and improvisation. 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: Limited to concentrators; the 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 (spring term). M., W., (F.), at 2. EXAM GROUP: 7

Explores about one thousand years of music history (ca. 800-1800), from the medieval through the Classical period. Particular emphasis is given to the liturgical and stylistic context of Gregorian chant and early polyphony; text-music relationships in Renaissance and early baroque compositions; and the works of J. S. Bach, Handel, Haydn, and Mozart.

Note: Expected to be given in 2008–09. 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 Core area requirement for Literature and Arts B.

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, Mahler, Wagner, Bizet, Verdi, Schoenberg, Berg, Stravinsky, Debussy, and later twentieth-century 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 Core area requirement for Literature and Arts B.

Music 2. Foundations of Tonal Music I

Catalog Number: 0645 Enrollment: Limited to 60.

Nicholas Paul Vines

Half course (fall term). M., W., F., at 3. EXAM GROUP: 8

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 Core area requirement for Literature and Arts B.



[Music 3. Foundations of Tonal Music II]

Catalog Number: 5805 Enrollment: Limited to 48.

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

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 once every second week.

Note: Expected to be given in 2008–09. 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.

Julie Rohwein

Half course (spring term). M., at 2, Th., 3–5. EXAM GROUP: 7, 17, 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 51. Theory I**

Catalog Number: 3649

John Stewart

Full course. Tu., Th., at 1, and additional hours to be arranged. EXAM GROUP: 15

The harmonic/contrapuntal language of the Bach Chorales in connection to music of the latter half of the 18th century, 19th century, jazz, pop, rock, and other musics. Course proceeds via frequent composition exercises and keyboard harmony assignments. Second semester considers specific issues of fugue and the harmony of instrumental counterpoint in Bach’s *The Well-Tempered Clavier*. A close reading of Stravinsky’s *Poetics of Music* leads to a substantial final composition project in any style or genre.

Note: Music 51 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 and sight reading of a Bach Chorale required.

***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.

Note: 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 Assistant to the Head Tutor. May be counted for concentration *only* with the prior approval of the Department.

***Music 92r. Senior Project**

Catalog Number: 2744

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

For students doing a Senior Project, when a pertinent regularly listed course does not exist, or is not being offered during the student's senior year.

Note: Students should read carefully and well in advance the relevant material in *Handbook for Students*, under the section of "Fields of Concentration: Music." Students should note, in particular #3 in the section marked 'Basic requirements': "a brief written prospectus . . . must be approved and signed by the instructor, and submitted to the Head Tutor no later than the second week of the term." The prospectus must clarify, when appropriate, why no regularly listed course being offered during the student's senior year is pertinent to the proposed work.

***Music 93r. Supervised Reading and Research**

Catalog Number: 8849

James D. Yannatos

Half course (fall term; repeated spring term). Hours to be arranged.

Open to students wishing to pursue supervised study in chamber music. Students must submit a study proposal to Professor Yannatos and a signed proposal to the Head Tutor.

Note: May not be taken Pass/Fail. May not be counted for concentration.

***Music 97r. Music History and Repertory**

Catalog Number: 0113

Matthew Benjamin Gelbart (spring term) and Thomas Forrest Kelly

Full course (indivisible). M., W., F., at 1. EXAM GROUP: 6

An intensive survey of Western music throughout its history and of selected non-Western musical traditions, providing methods of further study of music in historical and cultural contexts as well as basic knowledge of repertory.

Note: Music 97r is required of all concentrators, preferably taken in the sophomore year, or earlier by permission. Each half 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 98r. Tutorial — Junior Year**

Catalog Number: 5601

Thomas Forrest Kelly and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Note: 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. 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.

Note: 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., 1–2:30.

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). Hours to be arranged.

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 2009–10.

Prerequisite: Music 121a, Music 51, or conducting and musicianship background.

***Music 125a. Beginning Orchestration and Conducting**

Catalog Number: 8397

James D. Yannatos

Half course (fall term). Th., 2–4.

Studies in basic conducting skills related to exercises in 17th- and 18th-century orchestration.

Demonstration of stringed instruments.

Note: May not be counted for concentration credit.

Prerequisite: Music 51 or permission of instructor.

***Music 125b. Advanced Orchestration and Conducting**

Catalog Number: 8304

James D. Yannatos

Half course (spring term). Th., 2–4.

Advanced conducting skills related to studies in tonal, polytonal, atonal, 12-tone and avant-garde



orchestration. Demonstration of wind, brass, and percussion instruments.

Prerequisite: Music 154 or permission of instructor.

[Music 126b. Advanced Conducting]

Catalog Number: 4868

James D. Yannatos

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

Workshop for aspiring conductors with some experience. The technical aspects of conducting and rehearsing in relation to an understanding of the score will be studied with practical classroom exercises using piano and various instrumental groups.

Note: Expected to be given in 2008–09.

Prerequisite: Music 125a, Music 154, and/or permission of the instructor.

Music 154. Theory II

Catalog Number: 4771

Alexander Rehding (fall term) and Nicholas Paul Vines (spring term)

Full course. Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Continues the work of Music 51 with emphasis on Classical style (Mozart, Haydn, Beethoven). Concepts are developed through composition, keyboard and analytical exercises. Topics include harmony, phrase structure, form, sonata procedures. Spring term also explores chromatic harmony in 18th- and 19th-century music.

Note: Required of all concentrators. May not be counted for credit toward an advanced degree.

Prerequisite: Music 51 or equivalent.

Music 155. Modal Counterpoint

Catalog Number: 7710

Mary Lee Greitzer

Half course (spring term). Tu., Th., 3–4:30.

Study of representative styles and genres of 16th-century polyphony. Detailed analytic work will be combined with compositional exercises.

Prerequisite: Music 154 or permission of instructor.

Music 156. Tonal Counterpoint

Catalog Number: 3930

Mary Lee Greitzer

Half course (fall term). Tu., Th., 3–4:30.

Written work in the Bach style.

Prerequisite: Music 154 or equivalent.

[Music 157x. Tonal Analysis]

Catalog Number: 6830

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

Detailed examination of representative tonal compositions.

Note: Expected to be given in 2008–09. For undergraduates who have completed Music 154 or



equivalent.

Prerequisite: Music 154 or permission of instructor.

Music 157y. Analysis of 20th-Century Music

Catalog Number: 4397

Christopher Hasty

Half course (spring term). Tu., 1–3.

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.

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. Detailed analysis of selected pieces of music aimed at discovering and evaluating possibilities for execution and perception. Repertory will include fully notated music and music that has no tradition of notation. Among the questions to be addressed are those of perception, notation, and the adequacy of conventional analytic categories.

Prerequisite: Music 154 or permission of instructor.

***Music 160r. Composition: Proseminar**

Catalog Number: 8026

Brian Ferneyhough

Half course (spring term). W., 1–3.

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 Enrollment: Music concentrators only.

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

Advanced course in musical composition. Consists of a mixture of one-on-one and group meetings. Listening Lab included.

Note: Expected to be given in 2008–09.

Prerequisite: Music 154 or equivalent.

***Music 167r. Electro-Acoustic Composition**

Catalog Number: 3806 Enrollment: Limited to 12.

Hans Tutschku

Half course (fall term). Tu., 2–4.

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 171r. Electronic Composition as Collaborative Art]

Catalog Number: 0522

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

Note: Expected to be given in 2008–09.

***Music 180r. Performance and Analysis: Seminar**

Catalog Number: 2294 Enrollment: By audition only, prior to the first meeting.

Yehudi Wyner and Daniel Stepner

Half course (fall term; repeated spring term). M., 7–10 pm and an additional meeting to be arranged. EXAM GROUP: 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 (formerly *Music 182). 17th- and 18th-Century Performance Practice]

Catalog Number: 1460

Robert D. Levin

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

Articulation, ornamentation, improvisation, and other stylistic domains are considered from the perspectives of historical evidence and modern performance.

Note: Expected to be given in 2008–09.

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). Hours to be arranged.

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.

Note: Expected to be given in 2009–10. May be counted for music concentration credit for Music 193r.

Prerequisite: Music 154 or permission of instructor.

[Music 190r. Topics in World Music: Proseminar]

Catalog Number: 1312

Virginia Danielson

Half course (fall term). Tu., 3–5.

Popular and Classical Music from the Middle East. Using case studies primarily from the Arab



world and Turkey, this course explores significant musical styles from Beduin sung poetry to rai and Arab rap. It includes study of classical music systems and aesthetics as well as global popular styles, touching upon the issues of music and devotional life, women in musical life, star performers and the commerce of music and, possibly, dance.

Note: Expected to be given in 2008–09. For music concentrators or permission of instructor.

[*Music 190rs. Topics in World Music: Proseminar]

Catalog Number: 7577

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

Note: Expected to be given in 2008–09.

Music 191r. Topics in Medieval and Renaissance Music: Proseminar

Catalog Number: 2524

Thomas Forrest Kelly

Half course (fall term). W., 3–5.

Chant. Chant in medieval society, and the role of chant (Gregorian and other) in ritual and liturgy. Members of the seminar will be expected to sing, but no previous singing experience or knowledge of musical notation is required. The seminar will examine sources of Gregorian chant in the Houghton Library.

Note: For music concentrators or permission of instructor.

[Music 191rs. Topics in Medieval and Renaissance Music: Proseminar]

Catalog Number: 2871

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

Medieval and Renaissance Instrumental Music.

Note: Expected to be given in 2008–09.

Music 192r. Topics in Music from 1600–1800: Proseminar

Catalog Number: 6726

Mauro Calcagno

Half course (spring term). W., 3–5.

Staging Baroque Opera: Monteverdi and Cavalli. Examination of contemporary productions (on video) of L'Incoronazione di Poppea, Il ritorno d'Ulisse, Gli amori di Apollo e Dafne, La Calisto, and Il Giasone, focusing on the relationships between text (libretto and score) and performance, with consideration of seventeenth-century cultural contexts.

Note: For music concentrators or by permission of instructor.

[Music 193r. Topics in Music from 1800 to the Present: Proseminar]

Catalog Number: 3741 Enrollment: Limited to 12.

Carol J. Oja

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

Note: Expected to be given in 2008–09. For music concentrators or permission of instructor.



Music 193rs. Topics in Music from 1800 - Present - (New Course)

Catalog Number: 5935

Sindhumathi Revuluri

Half course (fall term). Tu., 2–4.

Fin-de-siècle France. Study of various, often conflicting, trends in the music and culture of fin-de-siècle France, from the 1889 World's Fair to WWI, including the exotic, the modern, and the national, all in the context of empire.

Music 193rt. Topics in Music from 1800 to the Present

Catalog Number: 3230

Sindhumathi Revuluri

Half course (spring term). Th., 1–3.

Global Pop Music. Exploration of current trends and issues in popular music production from around the world, including fusion, sampling, and local and global scenes, through consideration of a broad range of contemporary examples such as MIDival PunditZ, Sigur Rós, Youssou N'Dour, Daddy Yankee, Jay Chou, M.I.A., Sepultura and others.

[Music 193ru (formerly Music 192r). Topics in Music from 1800-Present]

Catalog Number: 2944

Carolyn Abbate

Half course (spring term). M., 2–4.

Wagner.

Note: Expected to be given in 2008–09. For music concentrators or permission of instructor.

Music 194r. Special Topics: Proseminar

Catalog Number: 2846

Jason Stanyek

Half course (spring term). F., 1–3.

Brazilian Music and Globalization. A study of Brazil's social and political history through its music and dance traditions, emphasizing questions of identity and performance in the international and transnational geographies of globalization.

Music 194rs. Special Topics: Proseminar

Catalog Number: 8586

Richard K. Wolf

Half course (fall term). Tu., 1–2:30; Th., 1:00 - 2:30.

Gamelan in Performance and Composition. Students explore instruments of the gamelan orchestra in Indonesian and international musical contexts. In twice weekly meetings, students learn to perform on Harvard's own gamelan and read about its musical structure and social-cultural contexts. Final projects are papers or compositions.

Note: No previous experience with the gamelan necessary.

[Music 194rt. Special Topics: Proseminar]

Catalog Number: 8523



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

Note: Expected to be given in 2008–09.

[Music 194ru. Special Topics: Proseminar]

Catalog Number: 7341

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

Note: Expected to be given in 2008–09.

Cross-listed Courses

[Foreign Cultures 79. Historical and Musical Paths on the Silk Road](#)

[Literature and Arts B-51. First Nights: Five Performance Premieres](#)

[Literature and Arts B-62. The Politics of Music - \(New Course\)](#)

[\[Literature and Arts B-63. Bach in His Time and Through the Centuries\]](#)

[\[Literature and Arts B-68. Opera\]](#)

[\[Literature and Arts B-78. Soundscapes: Exploring Music in a Changing World\]](#)

[Literature and Arts B-82. Sayin' Something: Jazz as Sound, Sensibility, and Social Dialogue](#)

[Literature and Arts B-85. American Musicals and American Culture - \(New Course\)](#)

Primarily for Graduates

[Music Bhf. Exercises in Tonal Writing and Analysis](#)

Catalog Number: 3045

Nicholas P. Vines

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

Carolyn Abbate

Half course (spring term). Tu., 10–12.

An introduction to scholarship, drawing upon the history, theoretical frameworks, and working methods of historical musicology. The course will focus on aspects of critical biography, historical terminology, and musical philology.

Note: 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). M., 1–3.

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 independently 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). Hours to be arranged.

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 2008–09. Individual research project required. Open to undergraduates with permission of instructor.

Music 207r. Ethnomusicology: Seminar

Catalog Number: 2149

Jason Stanyek

Half course (fall term). F., 1–3.

Aurality, New Media and the Politics of Presence.

Note: Open to undergraduates with permission of instructor.

Music 207rs. Ethnomusicology: Seminar

Catalog Number: 8999

Richard K. Wolf

Half course (spring term). M., 10–12, Tu., at 11:30.

Theory & Structure of South Indian Music. Students analyze rhythmic and melodic structures of musical genres, examine local explanatory tools and assess alternate theories of Karnatak Music. Students may supplement their analysis by learning to sing or play the vina.

Note: Open to undergraduates with permission of instructor.

[Music 208r. Ethnomusicology: Seminar]

Catalog Number: 2232

Kay Kaufman Shelemay

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2008–09. Open to undergraduates with permission of instructor.

Music 209r. Ethnomusicology: Seminar

Catalog Number: 4022

Ingrid Monson

Half course (spring term). W., 10–12. EXAM GROUP: 3, 4

Music and Mali. Examines the musical cultures and history of Malian music, including the traditional musics of the Mande hunters and the Senufo, as well as contemporary Malian popular musics that have had a deep impact on "world music." A highlight of the course will be engagement with primary research materials on the music of Neba Solo, a Senufo composer and



balafonist, who has modernized traditional Senufo music in Mali to wide acclaim.

Note: Open to undergraduates with permission of instructor.

[Music 212r. Chant: Seminar]

Catalog Number: 4984

Thomas Forrest Kelly

Half course (fall term). W., 3–5.

Note: Expected to be given in 2008–09. Open to undergraduates with permission of instructor.

Music 214r. Renaissance Music: Seminar

Catalog Number: 7825

Sean Gallagher

Half course (spring term). Th., 1–3:30.

Northern music & musicians in 15th-Century Italy.

Note: Open to undergraduates with permission of instructor.

[Music 214rs. Renaissance Music: Seminar]

Catalog Number: 6294

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Music 215r. Baroque: Seminar

Catalog Number: 6817

Mauro Calcagno

Half course (spring term). Tu., 1–3.

Subjectivity and Narrativity from Madrigal to Opera (1580-1640). Examinations of intermedi and madrigal books in connection with issues raised by the early developments of opera, with attention to questions of performativity, construction of subjectivity, and narrative strategies.

Note: Open to undergraduates with permission of instructor.

[Music 216r. 18th-Century Music: Seminar]

Catalog Number: 6868

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09. Open to undergraduates with permission of instructor.

Music 217r. 19th-Century Music: Seminar

Catalog Number: 9814

Thomas Forrest Kelly

Half course (spring term). W., 3–5.

Paris in the 1830s. The decade of the 1830s in Paris, with special emphasis on music as exemplifying the social and artistic currents of a city at the center of European cultural life. Special emphasis on the opera, the theatre, and performances of particular importance.

Note: Open to undergraduates with permission of instructor.



Music 218r. 20th-Century Music: Seminar

Catalog Number: 0774

Carolyn Abbate

Half course (fall term). Tu., 10–12. EXAM GROUP: 12, 13

Opera and Interpretation.

Note: Open to undergraduates with permission of instructor.

[Music 218rs. 20th-Century Music: Seminar]

Catalog Number: 0301

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Music 219r. 19th- and 20th-Century Music

Catalog Number: 2275

Carol J. Oja

Half course (fall term). Tu., 1–3.

Historiography of American Music. An exploration of a series of pioneering studies that cut across genres, time periods, and thematic strands, ranging from the Bay Psalm Book to William Billings, Stephen Foster, slave songs, women's history, and rock. Students will concurrently undertake micro-projects about local musics, both past and present.

Note: Open to undergraduates with permission of instructor.

Music 219rs. 19th- and 20th-Century Music

Catalog Number: 1518

Sindhumathi Revuluri

Half course (spring term). M., 1–3.

Music and the moving image. The relationship between music and film over time, in national contexts, and its effect on other musical productions will be explored. The course considers how music functions alongside other moving images (dance, animation, sound art).

Music 220ar. History of Music Theory: Seminar

Catalog Number: 2119 Enrollment: Open to undergraduates with permission of instructor.

Christopher Hasty

Half course (fall term). W., 10–12. EXAM GROUP: 3, 4

[Music 220br. History of Music Theory: Seminar]

Catalog Number: 1580 Enrollment: Limited to 20.

Ingrid Monson

Half course (spring term). Tu., 4–6.

Note: Expected to be given in 2008–09. Open to undergraduates with permission of instructor.

Music 221r. Current Issues in Music Theory - (New Course)

Catalog Number: 5926

Alexander Rehding

Half course (fall term). Th., 1–3.



Current Issues in Music Theory. Exploration of music theory as institution, discipline, and practice. Discusses relevant questions ranging from pedagogy to cognition and semiotics. Guest lectures, research projects, and writing exercises introduce theorists (and other graduates) to the field.

[Music 222r. Schenkerian Analysis I]

Catalog Number: 4055

Half course (spring term). Hours to be arranged.

Introduction to the theories and graphing techniques of Heinrich Schenker and his followers through the analysis of selected works.

Note: Expected to be given in 2008–09. Open to undergraduates with permission of instructor.

Music 230r (formerly Music 230ar). Topics in Music Theory I

Catalog Number: 5712

Christopher Hasty

Half course (spring term). W., 1–3.

Repetition. The seminar will consider important topics in musical repetition from a radically temporal standpoint.

Note: Open to undergraduates with permission of instructor.

Music 230rs. Topics in Music Theory II

Catalog Number: 6696 Enrollment: Limited to 20. Open to undergraduates with permission of instructor.

Allen Forte

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

The Life and Music of Cole Porter

[Music 235r. Cognitive Theories of Music]

Catalog Number: 9538

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09.

***Music 261r. Composition: Seminar**

Catalog Number: 3326 Enrollment: Limited to 10.

Brian Ferneyhough (spring term) and Elliott John Gyger (fall term)

Full course. Hours to be arranged.

For first year graduate students prepared for work in original composition.

***Music 262r. Composition: Seminar**

Catalog Number: 4457

Brian Ferneyhough (fall); Helmut Lachenmann (spring)

Full course. Fall: Th., 10–12. EXAM GROUP: Fall: 12, 13

For 2nd year and advanced graduate students prepared for work in original composition.



Music 264ra. Electronic Music Composition: Seminar

Catalog Number: 1939

Hans Tutschku

Half course (fall term). M., 2–4.

Sensors and Interactivity. 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 - (New Course)

Catalog Number: 3357

Hans Tutschku

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Improvisation with Electronics. Intensive work in computer music concentrating on traditional and recent electronic techniques.

Note: Music 264rb may be taken independently of Music 264ra.

Prerequisite: Previous knowledge of electronic music techniques, or permission of instructor.

[Music 265r. Orchestration]

Catalog Number: 2379 Enrollment: Limited to 8.

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 2008–09. Open to composition graduate students or with permission of instructor.

Music 270r. Special Topics

Catalog Number: 3727

Brian Ferneyhough

Half course (fall term). Th., 10–12. EXAM GROUP: 12, 13

Music 271r. Fromm Seminar in Composition

Catalog Number: 1311

Helmut Lachenmann

Half course (spring term). Tu., 10–12. EXAM GROUP: 12, 13

Music 272r. Special Topics

Catalog Number: 2059 Enrollment: Limited to 8.

Elliott John Gyger

Half course (fall term). W., 3–5.

Choral Writing. Introduction to a cappella writing. Vocal production; range/register/tessitura; pitching/tuning; phonetics; speech; text setting; multiple texts/languages. Repertoire survey. Compositional exercises for readings by professional vocal octet.

Graduate Courses of Reading and Research



***Music 300. Reading and Research for Advanced Students**

Catalog Number: 2504

Carolyn Abbate 5304, Mauro Calcagno 3871, Sean Gallagher 4415 (on leave fall term), Elliott John Gyger 4462 (fall term only), Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482 (on leave 2007-08), Ingrid Monson 1591, Carol J. Oja 4599, Alexander Rehding 4651, Sindhumathi Revuluri 5846 (fall term only), Kay Kaufman Shelemay 3483 (on leave 2007-08), Anne C. Shreffler 4656 (on leave 2007-08), Hans Tutschku 5147, Richard K. Wolf 1386, and Christoph Wolff 4532 (on leave 2007-08)

Individual work on specific topics not included in the announced course offerings.

***Music 301. Reading and Research**

Catalog Number: 6543

Carolyn Abbate 5304, Mauro Calcagno 3871, Sean Gallagher 4415 (on leave fall term), Elliott John Gyger 4462 (fall term only), Christopher Hasty 4445, Thomas Forrest Kelly 1324, Ingrid Monson 1591, Carol J. Oja 4599, Alexander Rehding 4651, Sindhumathi Revuluri 5846 (fall term only), Kay Kaufman Shelemay 3483 (on leave 2007-08), Anne C. Shreffler 4656 (on leave 2007-08), Hans Tutschku 5147, Richard K. Wolf 1386, and Christoph Wolff 4532 (on leave 2007-08)

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

Alexander Rehding 4651

Half course (spring term). Hours to be arranged.

***Music 310. Direction of Doctoral Dissertations**

Catalog Number: 1819

Carolyn Abbate 5304, Christopher Hasty 4445, Thomas Forrest Kelly 1324, Robert D. Levin 3482 (on leave 2007-08), Ingrid Monson 1591, Carol J. Oja 4599, Alexander Rehding 4651, Kay Kaufman Shelemay 3483 (on leave 2007-08), Anne C. Shreffler 4656 (on leave 2007-08), and Christoph Wolff 4532 (on leave 2007-08)

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



Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies (*Chair*)
 Irit Aharony, Preceptor in Modern Hebrew
 M. Shahab Ahmed, Assistant Professor of Islamic Studies (*on leave 2007-08*)
 Khaled Al-Masri, Preceptor in Arabic
 Helga Anetshofer, Preceptor in Ottoman Turkish and Other Turkic Languages
 James A. Armstrong, Lecturer on the Ancient Near East
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 Mostafa Atamnia, Preceptor in Modern Arabic on the Ali Abdul Rahman Alturki Endowment
 Halil Berktaý, Visiting Associate Professor of Near Eastern Languages and Civilizations
 Taroob Boulos, Preceptor in Arabic
 J. F. Coakley, Senior Lecturer on Near Eastern Languages and Civilizations
 Shaye J.D. Cohen, Nathan Littauer Professor of Hebrew Literature and Philosophy
 Khaled El-Rouayheb, Assistant Professor of Islamic Intellectual History
 Carl Sharif El-Tobgui, Preceptor in Arabic
 John L. Ellison, Lecturer on Near Eastern Languages and Civilizations
 Sayed Abdallah Ali Elsisí, Preceptor in Modern Arabic
 William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*), John
 Lord O'Brian Professor of Divinity, Dean of the Faculty of Divinity (*Divinity School*)
 William E. Granara, Professor of the Practice of Arabic on the Gordon Gray Endowment
 Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations
 Anna Grinfeld, Preceptor in Modern Hebrew
 Jeffrey Gurock, Joseph Engel Visiting Professor in American Jewish History (*Yeshiva
 University*) (*fall term only*)
 Jo Ann Hackett, Professor of the Practice of Biblical Hebrew and Northwest Semitic Epigraphy,
 Associate of Currier House
 Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*) (*on leave fall
 term*)
 Wolfhart P. Heinrichs, James Richard Jewett Professor of Arabic (*Director of Graduate Studies*)
 John Huehnergard, Professor of Semitic Philology
 Susan M. Kahn, Lecturer on Near Eastern Languages and Civilizations
 Hakan T. Karateke, Senior Preceptor in Ottoman and Modern Turkish
 Miri Kubovy, Professor of the Practice of Near Eastern Languages and Civilizations
 Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)
 Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages (*Director of
 Undergraduate Studies*)
 Avi Matalon, Assistant Professor of Near Eastern Languages and Civilizations
 Susan G. Miller, Senior Lecturer on Near Eastern Languages and Civilizations
 James R. Russell, Mashtots Professor of Armenian Studies
 Richard J. Saley, Lecturer on Near Eastern Languages and Civilizations
 John S. Schoeberlein, Lecturer on Central Asian Studies, and Director of the Central Asia Forum
 (*spring term*)
 Bernard Septimus, Jacob E. Safra Professor of Jewish History and Sephardic Civilization
 Andrea Seri, Lecturer on Assyriology
 P. Oktor Skjaervo, Aga Khan Professor of Iranian
 Lawrence E. Stager, Dorot Professor of the Archaeology of Israel
 Piotr Steinkeller, Professor of Assyriology



Yuri Vedenyapin, Preceptor in Yiddish
Yuhan Vevaina, Lecturer on Near Eastern Languages and Civilizations
Ruth R. Wisse, Harvard College Professor, Martin Peretz Professor of Yiddish Literature, and Professor of Comparative Literature
Dalia Yasharpour, Preceptor in Persian
Steven J. Zipperstein, Gerard Weinstock Visiting Professor of Jewish History (*Stanford University*) (*fall term only*)

Other Faculty Offering Instruction in the Department of Near Eastern Languages and Civilizations

Ofer Bar-Yosef, George Grant MacCurdy and Janet G. B. MacCurdy Professor of Prehistoric Archaeology
Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)
Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)
Wheeler M. Thackston, Jr., Professor of the Practice of Persian and Other Near Eastern Languages

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, Rachel L. Greenblatt (spring term) 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

Jay M. Harris and members of the Department
Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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

Jay M. Harris and members of the Department

Half course (fall term). M., 2–4.

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

Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

[Religion 2841. Orthodoxy: Religion, Truth, and Authority: Seminar]

Social Analysis 74. Visible Language: Writing Systems, Scripts, and Literacy

For Undergraduates and Graduates

Near Eastern Civilizations 193. From Baghdad to Isfahan: Classical Sciences in Persian Lands - (New Course)

Catalog Number: 4128

Elaheh Kheirandish

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

A sequel to the course "From Alexandria to Baghdad" that stands independently to follow the internal transmission of classical sciences in central Islamic lands, with a focus on Persian regions and sources (in English). The course examines the context of scientific developments in the Islamic Middle Ages, and highlights distinctions between Persian and Arabic traditions and institutions through a rich body of textual, visual, material and electronic sources, including interactive maps and timelines.

Prerequisite: None

Primarily for Graduates

Near Eastern Civilizations 200a. Approaches to Middle Eastern Studies: Proseminar

Catalog Number: 5918

Susan M. Kahn

Half course (fall term). W., 3–5.

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., 3–5. EXAM GROUP: 8, 9

Interdisciplinary seminar for AM thesis development. Students are expected to begin the course with a working draft of AM thesis to be revised and critiqued throughout the semester.

Note: Required for students pursuing the AM in Middle Eastern Studies. Primarily for students in the final term in the AM in Middle Eastern Studies program, although open to 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, Jon D. Levenson (Divinity School) 2264, John S. Schoeberlein 1016, and Ruth R. Wisse 3177 (spring term only)

***Near Eastern Civilizations 390. Direction of Doctoral Dissertations**

Catalog Number: 3041

Ali S. Asani 7739, Shaye J.D. Cohen 4180, William A. Graham, Jr. (Divinity School) 4156, William E. Granara 1054, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394 (on leave fall term), Jay M. Harris 2266, Wolfhart P. Heinrichs 4988, John Huehnergard 7697, Jon D. Levenson (Divinity School) 2264, Peter Machinist 2812, James R. Russell 3411, Bernard Septimus 7160, P. Oktor Skjaervo 2869, Lawrence E. Stager 1468, Piotr Steinkeller 7337, Wheeler M. Thackston, Jr. 4004 (fall term only), 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 - (New Course)

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.

For Undergraduates and Graduates



[Ancient Near East 100. History of the Ancient Near East: Mesopotamia]

Catalog Number: 0702

Andrea Seri

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

Surveys the political and cultural history of Mesopotamia from c. 4000 BCE.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1115.

Ancient Near East 101. Introduction to Mesopotamian Archaeology

Catalog Number: 1245

James A. Armstrong

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Surveys the archaeology of ancient Mesopotamia (geographically defined as the territory of modern Iraq plus immediately adjacent areas) from the Neolithic Period until the conquest of Alexander the Great. While theoretical issues and approaches will not be neglected, the emphasis in this class is on the archaeological data that are used in reconstructions of Mesopotamia's history and its ancient social systems.

Ancient Near East 102. Introduction to Mesopotamian Religion

Catalog Number: 0486

Piotr Steinkeller

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

A survey of the sources, data, and principal concerns. A selection of texts are read in translation.

Note: Offered jointly with the Divinity School as 3661.

[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 2008–09.

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: 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 2009–10. 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 2009–10.

[Ancient Near East 115. Archaeology of the Levant (Syria-Palestine)]

Catalog Number: 2813

Lawrence E. Stager and Ofer Bar-Yosef

Half course (fall 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 2008–09. 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 120. Introduction to the Hebrew Scriptures

Catalog Number: 6544

Michael D. Coogan



Half course (fall term). F., 9–11 and additional hour weekly for a section meeting. EXAM

GROUP: 2, 3

A survey of the Hebrew Scriptures as viewed in their historical and cultural setting in the ancient Near East and as interpreted by modern scholarship, with attention to this literature as an expression of the religious thought of Israel and one of the formative influences on Western civilization.

Note: Offered jointly with the Divinity School as 1101.

[Ancient Near East 122. Biblical Interpretation: Seminar]

Catalog Number: 4289 Enrollment: Limited to 15.

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

The biblical Book of Isaiah will be studied with attention to its historical setting, its major theological themes, its literary qualities, and its place within the religion of ancient Israel. The class will also consider the ways in which this prophetic writing continues to influence contemporary religious and political thought and action.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1814.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 124. Myth and Myth-Making in the Biblical and Ancient Near Eastern World]

Catalog Number: 7859

Peter Machinist

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2009–10. Offered jointly with the Divinity School as 1128/3410.

[Ancient Near East 126. History of the Religion of Israel]

Catalog Number: 1672

Peter Machinist

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2009–10. 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, and one additional hour 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 2009–10. Offered jointly with the Divinity School as 1125.

Ancient Near East 128. Jewish Apocalypticism

Catalog Number: 8249

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

A study of Jewish apocalyptic movements from their roots in late biblical prophecy to their flowering in Hellenistic and Roman times. Attention will be paid to the biblical and extra-biblical traditions incorporated in these texts and woven into messages addressing crises such as persecution and forced assimilation. The manner in which books like Daniel and Revelation are used by contemporary apocalyptic movements will be assessed.

Note: All texts read in English translation. Offered jointly with the Divinity School as 1460.

Prerequisite: Ancient Near East 120 or the equivalent.

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). Hours to be arranged.

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: Expected to be given in 2009–10. 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 133. Old Testament Theology] - (New Course)

Catalog Number: 1265

Jay M. Harris

Half course (spring term). M., W., F., at 9. EXAM GROUP: 2

This course explores the primary structures of theological beliefs reflected in the Old Testament and encourage disciplined reflection on how those structures and beliefs may instruct, warn,



correct, or be corrected by contemporary Christian faith.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1132.

[Ancient Near East 134. Genesis: Narrative Artistry and Theological Meanings]

Catalog Number: 3291

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2009–10. 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.

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

Catalog Number: 4476

Paul D. Hanson (Divinity School)

Half course (spring term). Hours to be arranged.

The theology of the Hebrew Bible studied by explicating major biblical themes (e.g., creation, liberation, war and peace, economic justice, social reform) and then relating them to issues in the contemporary world. Attention also given to background questions such as concepts of biblical authority and hermeneutical theory.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1150/2470.

Prerequisite: Ancient Near East 120 or equivalent.

[Ancient Near East 137. The Hebrew Prophets]

Catalog Number: 3183

Paul D. Hanson (Divinity School)

Half course (fall term). Tu., Th., 9–10:30. EXAM GROUP: 11, 12

A survey of the prophetic books of the Hebrew Bible (Old Testament) with consideration of historical setting, location within the traditions of the Hebrew Scripture, and theological themes of each book. The relevance of the prophets for contemporary theology, ethics, economics, and politics will also be discussed, with due attention to the hermeneutical problems posed in relating an ancient scriptural classic to the modern world.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1151.

[Ancient Near East 138. The Bible and Politics]

Catalog Number: 8073

Paul D. Hanson (Divinity School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

The course will examine political models found in the Hebrew Bible; the role of biblical traditions in the development of church-state relations in the history of the US; and the possibility of a suitable political theology within the context of contemporary religion and politics.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1465/2529.

Prerequisite: Ancient Near East 120 or the equivalent.



Ancient Near East 139. Monarch to Messiah: The Kingship of God in the Old Testament - (New Course)

Catalog Number: 9048

Jay M. Harris

Half course (fall term). M., W., F., at 9. EXAM GROUP: 2

This course traces the development of the idea of the kingship of God from Israel's earliest period, through the rise of the human monarchy, and down to the time of full-blown messianic expectations, exploring the factors that influenced and shaped that development. Course also addresses the issue of the continuing relevance of this theological strand in contemporary Christian theological reflection.

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 will focus 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 2008–09. 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: 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: 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 236. Biblical Theology: Seminar

Catalog Number: 7022 Enrollment: Limited to 12.

Paul D. Hanson (Divinity School)



Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

An examination of resources within the Bible for the construction of contemporary political theology.

Note: Offered jointly with the Divinity School as 1801/2471.

Prerequisite: Introductory level knowledge of the Bible and/or political science.

Cross-listed Courses

[History of Art and Architecture 13h. Foundations of Early Civilization: An Introduction to the Art of Ancient Mesopotamia]

[*History of Art and Architecture 137. Cross-Cultural Aesthetics: Proseminar]

[*History of Art and Architecture 232. Assyrian Reliefs and the Decorative Programs of Assyrian Palaces]

[Literature and Arts A-53. “Athens and Jerusalem”: Self and Other in Classical Greek and Hebrew Literature]

[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

John Huehnergard 7697, Peter Machinist 2812, and Piotr Steinkeller 7337

***Ancient Near East 330. Reading and Research in Biblical Studies**

Catalog Number: 1524

J. F. Coakley 3409, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394 (on leave fall term), 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

[Jewish Studies 55. Jews, Judaism, and Jewishness - \(New Course\)](#)

Catalog Number: 2338

Jay M. Harris

Half course (fall term). M., W., at 12. EXAM GROUP: 5



An overview of the development of the major trends in Jewish civilization, focusing on the literary, legal, and institutional expressions of Jewish ideas and practices.

Note: Required of all secondary concentrators in Jewish Studies, unless excused by the DUS.

Cross-listed Courses

[*Freshman Seminar 42s. Jews on the Tube: Images and Integration in American Jewry - \(New Course\)](#)

[*Government 90bm. Israeli National Security Strategy, Policy and Decision Making - \(New Course\)](#)

[Religion 28. The Hebrew Bible and Its Worlds - \(New Course\)](#)

For Undergraduates and Graduates

Jewish Studies 104. Introduction to Yiddish Culture

Catalog Number: 8611

Yuri Vedenyapin

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

An exploration of a thousand years of European Jewish culture through its vernacular, Yiddish. Topics covered will demonstrate the geographical, intellectual, and artistic breadth of this culture, and will include the history of the Yiddish language, selections of pre-modern and modern Yiddish literature, folklore, the press, film, theater, klezmer music, and song.

Note: Course readings and lectures will be in English.

Jewish Studies 111. Modern Jewish Thought

Catalog Number: 5461

Jay M. Harris

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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 112. The Poet as Translator - (New Course)

Catalog Number: 3400

Avi Matalon

Half course (spring term). Th., 2:30–4. EXAM GROUP: 16, 17

Examines the phenomenon of accomplished poets who are also translators. Poetry demands original and direct access to language, while translation is thought of in terms of fidelity to an existing text. How do poets negotiate these seemingly contradictory expectations? Draws from various literary traditions, with special emphasis on Jewish literature.

Jewish Studies 114. History versus Literature in Modern Jewish Texts

Catalog Number: 3527

Avi Matalon



Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Examines the treatment of history in modern Jewish and Israeli literature.

Jewish Studies 135. Jewish-Arab Encounters: the Classical Age - (New Course)

Catalog Number: 3448

Bernard Septimus

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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.

Jewish Studies 140. Deconstruction and Questions of Jewish Identity: Seminar

Catalog Number: 2198

Avi Matalon

Half course (fall term). W., 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 141. Jewish Society and Culture in Early Modern Europe]

Catalog Number: 8620

Rachel L. Greenblatt

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

The advent of print, the Protestant challenge to the Roman Catholic church, increasing use of the written vernacular, a blossoming of interest in different and exotic peoples—these and additional developments transformed Europe in the period from about 1500 to 1750. This course uses written and graphic primary sources to examine the place of these developments in Jewish society and culture, in the context of the history and historiography of Christian Europe.

Note: Expected to be given in 2008–09.

[Jewish Studies 142. Gender Roles and the Role of Gender: Jewish Society in Medieval and Early Modern Europe]

Catalog Number: 9838

Rachel L. Greenblatt

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Examines the ideal image of the Jewish woman and the Jewish man (in Jewish eyes) alongside the reality of women's and men's lives in European Jewish society, beginning in the Middle Ages and continuing up to approximately the late eighteenth century, when Jewish women hosted salons in Old Regime Berlin. Topics to be considered include synagogue participation and other forms of prayer, business practices, learning and reading, family life and life cycle rituals.

Note: Expected to be given in 2008–09.

Jewish Studies 143. Jews in the Modern World - (New Course)

Catalog Number: 8216



Steven J. Zipperstein (Stanford University)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

An examination of Jewish culture, politics, economics, and society from the late seventeenth century to the present. The course will study Jewish history in a comparative framework with primary concentration on the major areas of Jewish demographic density -- in particular, the Ottoman Empire, Eastern Europe, Russia, and eventually the US and Israel. Topics discussed will include the transmutation of "traditional" Jewish life, hasidism, the Jewish enlightenment, the Russian government and the Jews, acculturated and assimilated Jewish identity in Western and Central Europe, the origins of Reform and Orthodox Judaism, Antisemitism, Zionism, Liberalism and the Jews, Jewish life in the Soviet Union and inter-war Europe, the Holocaust, post-war European Jewry, the rise of Israel, and the Jewish life in the US.

Jewish Studies 144. History and Memory: Modes of Jewish Discourse - (New Course)

Catalog Number: 7216

Rachel L. Greenblatt

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

Jewish Studies 153. Jews and Communism in Russia: 1880 to the Fall of the Soviet Union: Seminar - (New Course)

Catalog Number: 2095

Steven J. Zipperstein (Stanford University)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

This course explores the engagement of Jews -- as believers, victims, and, in the minds of some, as the key progenitors of Communism in Russia from its birth as a coherent ideology until the fall of the Soviet Union. Themes discussed will include: Jews and the origins of Marxism; Jews as Populists, Anarchists; Bolsheviks, and Mensheviks; Marxism and the Jewish Question; Lenin, Stalin, and Trotsky on Jews and Judaism; War, Revolution, Civil War and the Jewish Street; the Jewish intelligentsia and the Revolution; Jews in the Soviet administration; the social/economic transformation of Jewry under Communism; the Second World War, and its aftermath; post-war antisemitism, etc. Some comparative analysis on the influence of Communism on Jews elsewhere (in Europe, the US, and Palestine) will be included. The approach will be interdisciplinary with historical, sociological, political, and literary texts provided.

Note: Participation in the course is open to undergraduate seniors, as well as graduate students.

Prerequisite: There are no language requirements; supplementary reading lists for Russian and/or Yiddish readers will be provided.

Cross-listed Courses

Government 1966. Israeli Foreign Policy: A Nation Dwelling Alone? - (New Course)

[Historical Study A-44. Jews in Modern Times: From the French Revolution to the Emergence of Israel]

History 1091 (formerly Jewish Studies 125). Jewish History in the Second and Post-Temple Period



History 1150. The Jews in Muslim and Christian Spain

***History 1426. On Display: Commemoration, Collection and Public Spaces (c. 1600-2000):**

Reading Seminar - (New Course)

History 1427. Women's Voices in Medieval and Early Modern Europe - (New Course)

History 1606. American Jewish History - (New Course)

***History 1609. The Social History of American Judaism: Research 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. Modern Jewish Literature

[Religion 1212a. Judaism: The Liturgical Year]

[Religion 1212b. Judaism: The Liturgical Year]

Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period

Primarily for Graduates

Jewish Studies 206. The Law at Qumran and the Law of the Mishnah

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 2008: The Law at Qumran (the Dead Sea Scrolls); the relationship of Qumran law with the law of the Mishnah.

Note: Open to undergraduates with the permission of the instructor. Offered jointly with the Divinity School as 3935.

Prerequisite: Ability to read Qumran texts in the original.

[Jewish Studies 215. Does Glikl Stand Alone? Jewish Autobiographical Writing, 14th - 19th Centuries]

Catalog Number: 9047

Rachel L. Greenblatt

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Weekly readings of Hebrew and early Yiddish 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 2008–09.

Prerequisite: Ability to read Hebrew texts or the permission of instructor.

Graduate Courses of Reading and Research

***Jewish Studies 300. Reading and Research in Postbiblical Jewish Studies**

Catalog Number: 1544

Shaye J.D. Cohen 4180, Rachel L. Greenblatt 5537 (spring term only), Jay M. Harris 2266, Avi Matalon 4506 (spring term only), Bernard Septimus 7160, 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). Hours to be arranged.

Introduction to and readings in Mazdaism/Zoroastrianism (on the basis of translated texts).

Note: Expected to be given in 2009–10. 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: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3580.

Early Iranian Civilizations 105. "Crow Eaters" and "Fire Worshippers": Encountering Contemporary Zoroastrians - (New Course)

Catalog Number: 0242

Yuhan Vevaina

Half course (spring term). F., 1–3, and one additional hour to be arranged. EXAM GROUP: 6, 7

Explore contemporary Parsi (Indian Zoroastrian) culture, literature, and religious identity to better understand their experience a self-consciously minority and diasporic community practicing one of the world's oldest religions.

Islamic Civilizations

See also below under Arabic, Iranian, and Turkish.

Primarily for Undergraduates

Cross-listed Courses

Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

For Undergraduates and Graduates

Islamic Civilizations 120. The Muslim Mediterranean City

Catalog Number: 0686

Susan G. Miller

Half course (fall term). Th., 2–4.

Cities have defined Mediterranean culture for thousands of years. Using sources from medieval



times to the present, the interaction between urban form and social practice is traced against the background of an encompassing Islamic culture. Topics include theories about Islam and urbanism, the city as sacred space, modernism and the making of the colonial city, the contemporary city and the literary imagination, and the city in the age of globalization.

Note: Offered jointly with the Graduate School of Design as 4118.

[Islamic Civilizations 123. Colonialism and After in the Maghrib]

Catalog Number: 2664

Susan G. Miller

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

A survey of North African history in the nineteenth and twentieth centuries, focusing on the political, social and cultural transformations brought about through the encounter with the West. Colonialism and its impact, the struggle over language and cultural identity, the role of minority politics, the Algerian revolution and civil war, the role of public intellectuals and the new Maghribi historiography are some of the topics covered.

Note: Expected to be omitted in 2007–08. Expected to be given in 2008–09.

[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: Expected to be given in 2009–10. Offered jointly with the Divinity School as 3602.

[Islamic Civilizations 146. al-Ghazali: Theologian and Mystic] - (New Course)

Catalog Number: 9561

Khaled El-Rouayheb

Half course (fall term). Hours to be arranged.

Al-Ghazali (d.1111) is generally recognized to be one of the most influential of all Muslim religious thinkers. A prominent theologian and jurist, he experienced a spiritual crisis at the height of his career, and as a consequence explored mysticism (Sufism) and worked out a powerful synthesis between respect for the externals of the Islamic religion and the mystics' stress on the interior life. In this course, we will look in particular at his account of his spiritual crisis; his critical engagement with the Islamic Philosophers; and some of the more mystical works that he wrote toward the end of his life, including his theodicy, his meditations on the Qur'anic dictum that "God is the Light of the Heavens and the Earth", and select chapters from his great summa "The Revival of the Religious Sciences". All readings will be in English.

Note: Expected to be given in 2008–09.

Prerequisite: No knowledge of Arabic required.



Islamic Civilizations 148. Fatwas and Muftis - (New Course)

Catalog Number: 4327

Rudolph Peters

Half course (spring term). M., 2–5. EXAM GROUP: 7, 8, 9

Fatwas are an important branch of Islamic legal literature. They deal with a wide range of religious and legal issues. We will read and discuss fatwas in translation and studies on fatwas in order to explore the fatwa genre and discover how fatwas can be used as sources not only for legal but also for historical and social studies. For students with sufficient language skills there will be an additional hour for reading Arabic fatwas.

Islamic Civilizations 160. The Meanings of Islam in Central Asia

Catalog Number: 8678

John S. Schoeberlein

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

Examines the changing role of Islam in Central Asia through history from a multidisciplinary perspective. Considers the diversity and multi-dimensionality of Islam as it influences social, cultural, political and religious life. Themes include: Islam and social order; Islam under Russian and Communist rule; Sufism, modernist Islam, "fundamentalism" and other forms of belief and practice; and the dynamic new role of Islam in the region following independence in 1991.

Note: Intended primarily for advanced undergraduates and graduate students; some background in Islam and/or the former Soviet Bloc desirable.

Cross-listed Courses

***Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies**

Religion 1851. The Female Body and Islam: Religious Doctrines in Changing Societies - (New Course)

Primarily for Graduates

***Islamic Civilizations 241r. Approaches to Studying Indo-Muslim Culture and South Asian Islam**

Catalog Number: 7515

Ali S. Asani

Half course (fall term; repeated spring term). W., 1–3. EXAM GROUP: Spring: 6, 7

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. History of the Near East, 600-1055

[*History 1877b. History of the Near East, 1055-1517: Reading Seminar]

[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]

Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

Literature and Arts B-35. The Age of Sultan Suleyman the Magnificent: Art, Architecture, and Ceremonial at the Ottoman Court

[Religion 1802 (formerly Religion 1555). Introduction to Islamic Mysticism: The Sufi Tradition]

[Religion 1806. The Vocabulary of Islam]

[Religion 1810. Representations of the Prophet Muhammad through History: Seminar]

*Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies

Graduate Courses of Reading and Research

***Islamic Civilizations 300. Reading and Research in Islamic Civilizations**

Catalog Number: 1963

M. Shahab Ahmed 5273 (on leave 2007-08), Ali S. Asani 7739, William A. Graham, Jr. (Divinity School) 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, and Wheeler M. Thackston, Jr. 4004 (fall term only)

***Islamic Civilizations 350. Reading and Research in Ottoman History and Literature**

Catalog Number: 4084

Armenian Studies

See also below under Armenian.

For Undergraduates and Graduates

Armenian 120. Armenian Magical Texts - (New Course)

Catalog Number: 7221

James R. Russell

Half course (fall 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 Studies 100. Armenian Epic]

Catalog Number: 2576

James R. Russell

Half course (fall term). W., 3–5. 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*).

Note: Expected to be given in 2008–09.

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 Varouzhan, 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

Akkadian and Sumerian

See also above under Ancient Near Eastern and Biblical Studies.

Akkadian

For Undergraduates and Graduates

Akkadian A. Elementary Akkadian

Catalog Number: 4891

Andrea Seri

Full course (indivisible). M., W., F., at 9. EXAM GROUP: 2

Introduction to the fundamentals of Akkadian grammar and the most commonly encountered Neo-Assyrian cuneiform signs.



Akkadian 120. Intermediate Akkadian

Catalog Number: 3724

Piotr Steinkeller

Full course (indivisible). Fall: Tu., Th., at 11; Spring: Tu., Th., at 1. EXAM GROUP: Fall: 13; Spring: 15

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

[Akkadian 142. Akkadian Hymns and Prayers]

Catalog Number: 6387

Andrea Seri

Half course (spring term). Hours to be arranged.

Readings from the various genres of Akkadian hymns and prayers, with particular emphasis on the genre of *shuilla* prayers. In the course of the term, students are expected to master the style and vocabulary of these texts, as well as to learn how to reconstruct a text from several manuscripts.

Note: Expected to be given in 2008–09.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script.

Akkadian 143. Akkadian Literary Texts - (New Course)

Catalog Number: 4815

Andrea Seri

Half course (spring term). M., W., F., at 10. EXAM GROUP: 3

Readings and analysis of a variety of literary texts.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of cuneiform script

Akkadian 144. Akkadian Divination Texts

Catalog Number: 6734

Piotr Steinkeller

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

Akkadian 148. Old Babylonian Letters

Catalog Number: 0975

John Huehnergard

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Prerequisite: Akkadian A.

[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 2008–09.

Prerequisite: Akkadian grammar, basic vocabulary, knowledge of a 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 2008–09.

Prerequisite: Two full courses in Akkadian.

[Akkadian 155r. Akkadian Historical Grammar and Dialectology]

Catalog Number: 0232

John Huehnergard

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Note: Expected to be given in 2008–09.

Prerequisite: Two full courses in Akkadian.

Akkadian 156. Neo-Babylonian Inscriptions - (New Course)

Catalog Number: 4024

Andrea Seri

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.

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.

Sumerian

For Undergraduates and Graduates

[Sumerian A. Elementary Sumerian]

Catalog Number: 5260

Piotr Steinkeller

Full course (indivisible). Hours to be arranged.

Introduction to the Sumerian language with emphasis on grammatical structure.

Note: Expected to be given in 2008–09.

[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 2008–09.



Sumerian 146. Sumerian Religious Literature

Catalog Number: 2605

Piotr Steinkeller

Half course (fall term). Hours to be arranged.

Primarily for Graduates

Sumerian 200r. Readings in Sumerian: Seminar

Catalog Number: 7496

Piotr Steinkeller

Half course (spring term). Hours to be arranged.

Cross-listed Courses

Linguistics 225a. Introduction to Hittite

Graduate Courses of Reading and Research

***Sumerian 300. Sumerian Language and Literature**

Catalog Number: 7912

Piotr Steinkeller 7337

Arabic

See also Islamic Civilizations.

For Undergraduates and Graduates

Arabic A. Elementary Arabic

Catalog Number: 5773

William E. Granara and staff

Full course (indivisible). Sections 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) at the earliest stages. 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 4350.

Arabic 105r. Women and Gender in Arabian Gulf Societies - (New Course)

Catalog Number: 8623

Suaad A. Al-Mana

Half course (spring term). Th., 4–6. EXAM GROUP: 18



Readings on contemporary history, sociology and literature that treat themes dealing with women, family, and gender politics in the contemporary Arabian Gulf countries.

[Arabic 120a. Intermediate Classical Arabic I]

Catalog Number: 1106

William E. Granara and staff

Half course (fall term). M. through F., at 10. EXAM GROUP: 3, 12

A thorough review of classical Arabic grammar with emphasis on reading and writing, with some discussion in Arabic in class for vocabulary and structure reinforcement. Readings focus on medieval Arabic historiography: biographical dictionaries, chronicles, and geography/"travel" literature. Contemporary texts dealing with "classical" themes will form part of the syllabus to help students develop better reading fluency.

Note: Expected to be given in 2008–09. Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4351.

Prerequisite: Arabic A or equivalent.

[Arabic 120b. Intermediate Classical Arabic II]

Catalog Number: 0597

William E. Granara and staff

Half course (spring term). M. through F., at 10. EXAM GROUP: 3, 12

Continuation of Arabic 120a.

Note: Expected to be given in 2008–09. Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4352.

Prerequisite: Arabic 120a or equivalent.

Arabic 121a. Intermediate Modern Arabic I

Catalog Number: 0973

William E. Granara and staff

Half course (fall term). Sections I: M. through F., at 10; Section II & III M. through F., at 11; Section IV: M. through F., at 12. EXAM GROUP: 3, 12

A continuation of Elementary Arabic with equal emphasis on speaking, reading, oral, and aural skills. Selections from contemporary Arabic media are introduced and serve as bases for reading and conversation.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4361.

Prerequisite: Arabic A or equivalent.

Arabic 121b. Intermediate Modern Arabic II

Catalog Number: 0685

William E. Granara and staff

Half course (spring term). Section I: M. through F., at 10; Sections II & III: M. through F., at 11; Section IV: M. through F., at 12. EXAM GROUP: 3, 12

A continuation of Arabic 121a.

Note: Not open to auditors. Cannot be taken pass/fail. Offered jointly with the Divinity School as 4362.

Prerequisite: Arabic 121a or equivalent.



Arabic 130a. Advanced 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. Advanced 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. Advanced Modern Arabic I

Catalog Number: 0739

Sayed Abdallah Ali Elsis

Half course (fall term). Sections I and II M., Tu., Th., at 11, W., 4-6. EXAM GROUP: 4, 9, 13

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 121b or equivalent.

Arabic 131b. Advanced Modern Arabic II

Catalog Number: 0697

Sayed Abdallah Ali Elsis

Half course (spring term). Section I: M., T., Th., at 11, W., 4-6; Section II: M., T., Th., at 12, W., 4-6. EXAM GROUP: 4, 9, 13

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 novellas.

Note: Not open to auditors. Offered jointly with the Divinity School as 4364.

Prerequisite: Arabic 131a or equivalent.

Arabic 133. Advanced Spoken Modern Standard Arabic

Catalog Number: 4747

Carl Sharif El-Tobgui

Half course (fall term). M., T., W., Th., at 1. EXAM GROUP: 6, 15



This course emphasizes the development of advanced speaking and listening skills by exposing students to the Arabic of the contemporary media. 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.

Note: Expected to be given in 2008–09. Not open to auditors.

Prerequisite: At least two years of Standard Arabic or the equivalent, or by permission of the instructor.

Arabic 135. Colloquial Egyptian Arabic

Catalog Number: 4454

William E. Granara

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.

Prerequisite: At least two years of Standard Arabic or the equivalent, or by permission of the instructor.

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]

Catalog Number: 7759

Wolfhart P. Heinrichs

Half course (spring term). Hours to be arranged.

Overview of Classical Arabic literature, including reading and discussion of selected texts.

Note: Expected to be given in 2008–09. 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). Th., 4–6. EXAM GROUP: 18

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.

Note: Arabic helpful but not required. Open to both undergraduates and graduates.

[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 2008–09.

Primarily for Graduates

[Arabic 230a. Hadith I: Seminar]

Catalog Number: 4223 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (fall term). Hours to be arranged.

An introduction to the Hadith literature, its historical development, its content, and its religious and cultural significance in Islam, through readings from the major Hadith collections, *‘ulum al-hadith* works, biographical dictionaries, and modern scholarship.

Note: Expected to be given in 2008–09. Not open to auditors. Offered jointly with the Divinity School as 3974.

Prerequisite: Advanced proficiency in Arabic.

[Arabic 230b. Hadith II: Seminar]

Catalog Number: 4362 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (spring term). Hours to be arranged.

Continuation of Arabic 230a.

Note: Expected to be given in 2008–09. Not open to auditors. Offered jointly with the Divinity School as 3975.

Prerequisite: Arabic 230a and advanced proficiency in Arabic.

[Arabic 231a. Qur’an I: Seminar]

Catalog Number: 8707 Enrollment: Limited to 18.

M. Shahab Ahmed

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8

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 2009–10. 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. EXAM GROUP: 7, 8

Continuation of Arabic 231a.

Note: Expected to be given in 2009–10. 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 (formerly Arabic 241a). Modern Arabic Literature and Culture

Catalog Number: 3309

Khaled Al-Masri

Half course (fall term). Tu., 2–4, plus an additional hour to be arranged. EXAM GROUP: 16, 17

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 (formerly Arabic 241b). Modern Arabic Literature and Culture

Catalog Number: 6399

Suaad A. Al-Mana

Half course (spring term). Tu., 2–4, plus an additional hour to be arranged. EXAM GROUP: 16, 17

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., 2–4. EXAM GROUP: 7, 8

Topic for 2007-08: al-Jâhiz and his world.

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 2008–09.

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). Hours to be arranged.

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 2008–09.

Prerequisite: Reading knowledge of Arabic.

***Arabic 249r. Arabic Philosophical Texts: Seminar**

Catalog Number: 3572

Khaled El-Rouayheb

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

An introduction to the "science of disputation" (*ilm al-munâzara*), also called "the rules of enquiry" (*âdâb al-baḥṭh*), which was for centuries a standard part of the education of scholars throughout the Islamic world.

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

A reading of *Sharḥ al-'Aqa'id al-Nasafiyya* by Sa'd al-Din al-Taftazani (d.1390), one of the most widely studied theological works ever written in Islamic civilization.

Note: 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]

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 2007-08), Khaled El-Rouayheb 5536, William A. Graham, Jr. (Divinity School) 4156, William E. Granara 1054, Wolfhart P. Heinrichs 4988, Baber Johansen



(Divinity School) 5295, Roy Mottahedeh 1454 (on leave fall term), and Wheeler M. Thackston, Jr. 4004 (fall term only)

***Arabic 320. Reading and Research in Modern Arabic Literature and Literary Criticism**

Catalog Number: 9167

William E. Granara 1054

Aramaic

For Undergraduates and Graduates

See also Ancient Near East and Biblical Studies, Jewish Studies, and Early Iranian Civilizations.

[Aramaic A. Introduction to Targumic Aramaic]

Catalog Number: 5985

John Huehnergard and assistant

Half course (fall term). Hours to be arranged.

An introduction to the grammar of the Aramaic of Targum Onqelos.

Note: Expected to be given in 2008–09. No previous knowledge of any Semitic language is assumed.

Aramaic C. Elementary Syriac

Catalog Number: 3494

J. F. Coakley

Full course (indivisible). M., W., F., at 10. EXAM GROUP: 3

Basic Syriac grammar and syntax, with selected readings from the Syriac Bible and other early texts.

Note: Expected to be omitted in 2008–09. 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.

Aramaic 129. Introduction to Babylonian Aramaic - (New Course)

Catalog Number: 6882

John Huehnergard and assistant

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

An introduction to the language of the Jewish Babylonian Aramaic

Prerequisite: Prerequisite: One of the following classes: Classical Hebrew A, Modern Hebrew B, Aramaic A or C, or equivalent



Graduate Courses of Reading and Research

***Aramaic 300. Aramaic Language and Literature**

Catalog Number: 5758

John Huehnergard 7697 and Shaye J.D. Cohen 4180

Armenian

See also Armenian Studies.

For Undergraduates and Graduates

Armenian 130. Advanced Classical Armenian

Catalog Number: 4926

James R. Russell

Full course. W., 5:30–7:30 p.m. EXAM GROUP: 9

The text of St. Grigor Narekats'i *Matean olbergut'ean*, with other mystical texts from Armenian and Eastern Christian traditions.

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

Ethiopic

For Undergraduates and Graduates

[Ethiopic A. Introduction to Classical Ethiopic (Ge'ez)]

Catalog Number: 7667

John Huehnergard and assistant

Full course (indivisible). Hours to be arranged.

Note: Expected to be given in 2009–10.

Ethiopic 120ar. Readings in Classical Ethiopic (Ge'ez) Texts I

Catalog Number: 0231

John Huehnergard

Half course (fall term). Hours to be arranged.

Prerequisite: Ethiopic A.



Ethiopic 120br. Readings in Classical Ethiopic (Ge'ez) Texts II

Catalog Number: 0390

John Huehnergard

Half course (spring term). Hours to be arranged.

Prerequisite: Ethiopic A.

Graduate Courses of Reading and Research

***Ethiopic 300. Ethiopian Semitic Language and Literature**

Catalog Number: 5135

John Huehnergard 7697

Hebrew

See also Ancient Near Eastern and Biblical Studies and Jewish Studies.

For Undergraduates and Graduates

Hebrew 176. Aristotle's Ethics in Medieval Jewish Thought - (New Course)

Catalog Number: 4571

Bernard Septimus

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Prerequisite: A reading knowledge of Hebrew

Hebrew 177. Introduction to Critical Talmud Scholarship - (New Course)

Catalog Number: 6485

Bernard Septimus

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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.

Primarily for Graduates

Hebrew 230. Midrash: The Figure of Abraham: Seminar - (New Course)

Catalog Number: 7364

Jon D. Levenson (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

A close reading in Hebrew of some rabbinic midrashim centering on the figure of Abraham.

Emphasis on the acquisition of the textual skills necessary for studying midrash and on the role of Abraham in rabbinic theology. Ample comparison with other primary sources about Abraham from Second Temple Judaism and the New Testament, presented in English.

Note: Offered jointly with the Divinity School as 1803.

Prerequisite: Sound reading knowledge of Hebrew (any period).



Language Courses

For Undergraduates and Graduates

Classical Hebrew A. Elementary Classical Hebrew

Catalog Number: 8125

Jo Ann Hackett

Full course (indivisible). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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

Jo Ann Hackett and assistant

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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

Jo Ann Hackett and assistant

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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

Jo Ann Hackett and assistant

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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

Jo Ann Hackett and assistant

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

Note: Offered jointly with the Divinity School as 1626/4031.

Prerequisite: Classical Hebrew 130a or equivalent.

Classical Hebrew 135. Introduction to Mishnaic Hebrew - (New Course)

Catalog Number: 2263

John Huehnergard and assistant



Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

An introduction to the language of the Hebrew of the MishnaI and the rabbinic literature.

Prerequisite: Prerequisite: Classical Hebrew A, Modern Hebrew B, or equivalent

[Classical Hebrew 138. Historical Grammar of Biblical Hebrew]

Catalog Number: 4415

John Huehnergard

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

Note: Expected to be given in 2008–09.

Prerequisite: Classical Hebrew 130, or equivalent.

Modern Hebrew B. Elementary Modern Hebrew

Catalog Number: 4810

Miri Kubovy and Irit Aharony

Full course (indivisible). Section I: M. through F., at 9; Section II: M. through F., at 10. EXAM GROUP: 2, 11

For students with no previous instruction in Hebrew and for those who have had some unsystematic exposure to the language. Emphasis on developing skills necessary for fluent reading, speaking, and writing basic sentences in all tenses. Grammar is taught through the Israeli “Top 40.”

Note: Offered jointly with the Divinity School as 4015.

Modern Hebrew 120a. Intermediate Modern Hebrew I

Catalog Number: 1711

Irit Aharony and Anna Grinfeld

Half course (fall term). Section I: M. through F., at 10. Section II: M. through F., at 11. EXAM GROUP: 3, 12

Continuation of Modern Hebrew B. Selected readings from 20th-century Hebrew literature prose, poetry, drama, and the language of the current Israeli media, including newspapers, magazines, and satires. The linguistic analysis of the texts is followed by a literary discussion as well as an examination of the individual works in relation to various trends in modern Hebrew 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 and Anna Grinfeld

Half course (spring term). Section I: M. through F., at 10. Section II: M. through F., at 11. EXAM GROUP: 3, 12

Continuation of Modern Hebrew 120a.

Note: Conducted primarily in Hebrew. Offered jointly with the Divinity School as 4041.

Prerequisite: Modern Hebrew 120a.

Modern Hebrew 125a. Advanced Modern Hebrew I

Catalog Number: 4985



Anna Grinfeld

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

Continuation of Intermediate Modern Hebrew 120a and 120b. The course explores oral and textual forms of the language such as journalism, literature, poetry, plays, music, and more. The course will take a broad look at Israeli culture and current events via the media: radio, television, the internet, and the arts. The course goal is to further develop practical skills in the language.

Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4042.

Prerequisite: Modern Hebrew 120a, 120b, or equivalent.

Modern Hebrew 125b. Advanced Modern Hebrew II

Catalog Number: 3201

Miri Kubovy

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Continuation of Modern Hebrew 125a. The course explores advanced and sophisticated issues in grammar, syntax, style, and idioms of the language. It prepares students to work with more advanced materials from the media, scholarly texts for research, and literature.

Note: Conducted in Hebrew. Offered jointly with the Divinity School as 4043.

Prerequisite: Modern Hebrew 120a, 120b, and 125a.

Modern Hebrew 130r. Contemporary Israeli Culture

Catalog Number: 8127

Miri Kubovy

Half course (fall term). W., 6:45–9:45 p.m. EXAM GROUP: 9

Surveys typical examples of contemporary Israeli culture: novels, short stories, poetry, feminist literature, Holocaust literature, literary and political journals and magazines, theater and films, rock music from the "Top 40," all representing current cultural trends and expressing attitudes toward social and political issues. Includes exposure to the language of the current Israeli media.

Note: Discussion, papers, and texts presented in Hebrew. This constitutes one of the fourth year courses of the Modern Hebrew track.

Prerequisite: Modern Hebrew 125a, 125b or equivalent.

Modern Hebrew 134 (formerly Modern Hebrew 134r). Israel's Sixty Years in Words, Images and Tunes

Catalog Number: 6949

Irit Aharony

Half course (spring term). Tu., Th., 1–3. EXAM GROUP: 15, 16

We propose a unique course on the eve of Israel sixtieth anniversary. In this course we will follow chronologically the development of the Israeli culture through the most representative productions of Israeli cinema, Israeli songs, and Israeli writers, poets and scholars. We will study the many facets of Israeli society in various expressions of language, music and images. We will especially emphasize the changes that occurred in the Modern Hebrew language (slang and other layers of language) since the establishment of the State of Israel to today.

Note: Conducted in Hebrew. This constitutes one of the fourth year courses of the Modern Hebrew track.

Prerequisite: Modern Hebrew 125a, 125b, or equivalent.



[Modern Hebrew 135r. How to Say "I Love You" in Hebrew]

Catalog Number: 1159

Irit Aharony

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

A survey of literary Hebrew texts about love from different periods and origins. This survey includes: Biblical love stories, the concept of love in the Midrash and Agadah through the literature of the Middle Ages, the New Hebrew Literature of the early 20th century, and today's literature. Differences between ancient Hebrew and Modern Hebrew are examined. The goal of the course is to improve reading, writing, and speaking skills for advanced Modern Hebrew students.

Note: Expected to be given in 2008–09. Conducted in Hebrew. This constitutes one of the fourth year courses of the Modern Hebrew track.

Prerequisite: Modern Hebrew 125a, 125b or the equivalent.

Modern Hebrew 136r. Hebrew for Academic Reading

Catalog Number: 3383

Anna Grinfeld

Half course (fall term; repeated spring term). Tu., Th., 1:30–3. EXAM GROUP: 15, 16

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.

Literature and History Courses

For Undergraduates and Graduates

[Hebrew 150a. Introduction to Rabbinic Literature]

Catalog Number: 7629

Bernard Septimus

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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 2008–09.

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 (spring term). Hours to be arranged.

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 2008–09.

Prerequisite: A good reading knowledge of Hebrew.

[Hebrew 171. The Problem of Language in Medieval Jewish Thought]

Catalog Number: 7205

Bernard Septimus

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

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 2008–09.

Prerequisite: A good reading knowledge of Hebrew.

Hebrew 191. From Jewish Literature to Israeli Literature: Seminar

Catalog Number: 3376

Avi Matalon

Half course (spring term). Hours to be arranged.

Examines the development and transition of Hebrew literature from Europe to Israel beginning in the 1850s.

Prerequisite: Reading knowledge of Modern Hebrew required.

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 2008–09. 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, Lawrence E. Stager and members of the Department

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Topic for 2007-08: Israel and the Jews in the Persian Period.



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 2006-07: The Book of Exodus.

Note: Expected to be given in 2008–09. 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 209r. Literature of Israel: Seminar]

Catalog Number: 1326

Peter Machinist

Half course (fall term). Hours to be arranged.

Topic for 2008-09: To be announced.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1824.

Prerequisite: Good reading knowledge of biblical Hebrew. Acquaintance with other relevant ancient and modern languages desirable.

[Hebrew 211r. Literature of Israel: Seminar]

Catalog Number: 0727 Enrollment: Limited to 10.

Paul D. Hanson (Divinity School)

Half course (fall term). Hours to be arranged.

The Book of Ezekiel, studied through the application of historical-critical methods of research, with attention to the relation of the Book to earlier prophetic and halakic tradition and to its influence on Second Temple Judaism.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1821.

Prerequisite: Intermediate to advanced reading knowledge of biblical Hebrew.

[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: 6, 7

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: Expected to be given in 2009–10. 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: 6, 7

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: Expected to be given in 2009–10. 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 (fall term). Hours to be arranged.

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 2008–09. 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). Hours to be arranged.

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 2008–09. 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, Jo Ann Hackett 2389, Paul D. Hanson (Divinity School) 1394 (on leave fall term), John Huehnergard 7697, 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

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). Fall: W., 3–5. EXAM GROUP: Fall: 8, 9

Introduction to Old Persian.

Iranian Ca. Middle Persian I

Catalog Number: 0978

P. Oktor Skjaervo

Half course (fall term). Hours to be arranged. EXAM GROUP: 8, 9

Introduction to Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Iranian Cbr. Middle Persian II

Catalog Number: 1696

P. Oktor Skjaervo

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Readings in Middle Persian (Pahlavi or Manichean Middle Persian/Parthian).

Cross-listed Courses

Linguistics 221r. Workshop in Indo-European

Primarily for Graduates

Iranian 208r. Eastern Middle Iranian II: Advanced Sogdian - (New Course)

Catalog Number: 4191

P. Oktor Skjaervo

Half course (fall term; repeated spring term). Hours to be arranged.

Advanced readings in Sogdian literature: Christian and Buddhist Sogdian and miscellaneous texts.

Prerequisite: Iranian 145ab.

Graduate Courses of Reading and Research

***Iranian 300. Reading and Research in Iranian Languages and Literatures**

Catalog Number: 8155

P. Oktor Skjaervo 2869 and Wheeler M. Thackston, Jr. 4004 (fall term only)

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 9, and two additional hours to be arranged. EXAM GROUP: 2

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 10, and two additional hours to be arranged. EXAM GROUP: 3

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 10, and two additional hours to be arranged. EXAM GROUP: 3

Continuation of Persian 120a.

[Persian 140ar. Advanced Persian]

Catalog Number: 0814

Dalia Yasharpour

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8

Selected topics in Classical Persian literature for the advanced student. Readings from historical and belletristic texts, as well as modern selections.

Note: Expected to be given in 2008–09.

Prerequisite: Persian 120b or equivalent.

Persian 140br. Selected Readings in Classical Persian Literature

Catalog Number: 0258

Dalia Yasharpour

Half course (fall term). M., W., 2–3:30. EXAM GROUP: 7, 8

A continuation of Persian 140ar.

Persian 150r. Readings in Persian Historians, Geographers and Biographers

Catalog Number: 6538

Roy Mottahedeh

Half course (spring term). Hours to be arranged.

Primarily for Graduates

Cross-listed Courses



Indian Studies 216r (formerly Indian Studies 216). Readings in Indo-Persian literature

Graduate Courses of Reading and Research

***Persian 300. Persian Language and Literature**

Catalog Number: 6962

P. Oktor Skjaervo 2869 (fall term only) and Roy Mottahedeh 1454 (on leave fall term)

Semitic Philology

For Undergraduates and Graduates

Semitic Philology 140. Introduction to the Comparative Study of Semitic Languages

Catalog Number: 8602

John Huehnergard

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Prerequisite: Knowledge of two Semitic languages.

Semitic Philology 151. Introduction to Northwest Semitic Epigraphy

Catalog Number: 2858

Jo Ann Hackett

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Readings in Hebrew and Phoenician inscriptions with an introduction to methods and techniques of Northwest Semitic palaeography, and attention to problems of historical grammar.

Prerequisite: Classical Hebrew 138 or Semitic Philology 140.

[Semitic Philology 152. Introduction to Ugaritic]

Catalog Number: 2777

Jo Ann Hackett

Half course (fall term). F., 2–4. EXAM GROUP: 7, 8

Introduction to Ugaritic grammar, with readings in mythological, epistolary, and administrative texts.

Note: Expected to be given in 2008–09.

Prerequisite: Semitic Philology 140 or equivalent.

Primarily for Graduates

Semitic Philology 220r. Northwest Semitic Epigraphy: Seminar

Catalog Number: 2948

Jo Ann Hackett

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Topic for 2007-2008: Recently-found inscriptions, fakes, and problems in Northwest Semitic philology.

Prerequisite: Semitic Philology 151.

Graduate Courses of Reading and Research



***Semitic Philology 300. Semitic and Afroasiatic Languages and Literatures**

Catalog Number: 2762

Jo Ann Hackett 2389, Wolfhart P. Heinrichs 4988, and John Huehnergard 7697

Turkish

See also above under Near Eastern Civilizations; Islamic Civilizations.

For Undergraduates and Graduates

Turkish A. Elementary Modern Turkish

Catalog Number: 2527

Helga Anetshofer and assistant

Full course (indivisible). M. through F., at 9. EXAM GROUP: 2, 11

Emphasis on all aspects of Turkish grammar toward developing a solid foundation for speaking, listening, reading, writing, and vocabulary skills.

Note: Not open to auditors.

Turkish 120a. Intermediate Turkish I

Catalog Number: 4009

Hakan T. Karateke

Half course (fall term). M., Tu., Th., 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: Not open to auditors.

Prerequisite: Turkish A or equivalent.

Turkish 120b. Intermediate Turkish II

Catalog Number: 1394

Hakan T. Karateke

Half course (spring term). M., Tu., Th., F., at 10. EXAM GROUP: 3, 12

Studies in argumentative and literary prose.

Note: Not open to auditors.

Prerequisite: Turkish 120a or equivalent.

Turkish 130a. Advanced Turkish I

Catalog Number: 6964

Hakan T. Karateke

Half course (fall term). W., 12–3. EXAM GROUP: 5, 6, 7

Gaining and improving advanced language skills in Modern Turkish through reading, writing, listening, and speaking with special emphasis on the proper usage of vocabulary and idiomatic expressions.

Note: Not open to auditors.

Prerequisite: Turkish 120b or equivalent.



Turkish 130b. Advanced Turkish II

Catalog Number: 4354

Hakan T. Karateke

Half course (spring term). W., 1–4. EXAM GROUP: 6, 7, 8

Studies in literary and idiomatic prose through readings, discussions, and writing of short analytical papers.

Note: Not open to auditors.

Prerequisite: Turkish 130a or equivalent.

Turkish 140a. Introduction to Ottoman Turkish I

Catalog Number: 8163

Helga Anetshofer

Half course (spring term). Th., at 12, Tu., 1–3. EXAM GROUP: 14, 15, 16

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: 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

Helga Anetshofer

Half course (fall term). Tu., 1–3, Th., at 2. EXAM GROUP: 15, 16

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: Not open to auditors.

Prerequisite: Turkish 140a or equivalent.

Turkish 145. Introduction to Old Anatolian Turkish

Catalog Number: 0095

Helga Anetshofer

Half course (fall term). Th., at 1, M., 1–3. EXAM GROUP: 6, 7

Grammatical, orthographic, and stylistic characteristics of Old Anatolian Turkish through reading and analysis of selected primary sources from the 13th to the 15th centuries.

Note: Not open to auditors.

Prerequisite: Turkish 140a or equivalent.

[Turkish 146. Readings in Old Anatolian Turkish Narrative Prose]

Catalog Number: 6628

Helga Anetshofer

Half course (spring term). Th., at 1, M., 1–3. EXAM GROUP: 6, 7

Specialized grammatical and orthographic characteristics of Old Anatolian Turkish narrative prose through reading of different genres of handwritten documents from the 14th and 15th centuries.



Note: Expected to be given in 2008–09. Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

Turkish 147a. Advanced Uzbek I

Catalog Number: 3846

Helga Anetshofer and assistant

Half course (fall term). M., Tu., Th., F., at 10.

A continuation of Intermediate Uzbek.

Prerequisite: Turkish 125b or equivalent.

Turkish 147b. Advanced Uzbek II

Catalog Number: 4820

Helga Anetshofer and assistant

Half course (spring term). Hours to be arranged.

Continuation of Turkish 147a.

Prerequisite: Turkish 147a or equivalent.

[Turkish 152. Middle Turkic]

Catalog Number: 6849

Helga Anetshofer

Half course (spring term). Tu., at 11, F., 1–3. EXAM GROUP: 6, 7, 13

Comparative survey of Middle Turkic texts, analyzing the phonology, morphology, and syntax of the Middle Turkic languages. Reading and translation of Karakhanid, Khorazmian Turkic and Kipchak sources.

Note: Expected to be given in 2008–09. Not open to auditors.

Prerequisite: Knowledge of one Middle Turkic language, including Old Anatolian Turkish or Chagatai.

Turkish 156. From Empire to Republic: The Making of Turkish Nationalism - (New Course)

Catalog Number: 9255

Halil Berktaş

Half course (fall term). M., 2–5. EXAM GROUP: 7, 8, 9

Overlaps between the New Imperialism (1875-1914), and the twilight of old empires (Russian, Austro-Hungarian, Ottoman). Parties to the Eastern Question : the Great Powers, Balkan nationalisms, and "the Sick Man of Europe". The homogenisations of modernization, the ethnic cleansings and other demographic dislocations of nation-building. Ottoman Turks in purgatory : between the "historical nations" and the "people without history". Two hundred years of hypocrisy between Turkey and Europe. The complex transition from 19th century varieties of Ottoman identity or Muslim patriotism to Turkish nationalism in the throes of a protracted crisis over 1908-22. The search for a viable past in literature : contemporary traumas vs mytho-historical ways of compensation. Theories of "betrayal" and "just revenge". Alternative "golden ages". Grafting a national discourse onto an Ottoman-centred imperial discourse. The emergence of a cornered, confused, fearful and wrathful identity. Linkages to current ideo-political problems.



Primarily for Graduates

Turkish 240. Readings in Ottoman Sources

Catalog Number: 2180

Hakan T. Karateke and assistant

Half course (spring term). F., at 1, Tu., 2–4. EXAM GROUP: 6, 16, 17

The course will be an introduction to the calligraphic, codicological, and epigraphic practices in the Ottoman world. Mostly texts from 17th to the 19th centuries will be read and analyzed.

Note: Not open to auditors.

Prerequisite: Turkish 140b or equivalent.

Graduate Courses of Reading and Research

***Turkish 300. Turkish Languages and Literatures**

Catalog Number: 7702

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). Spring: M., W., (F.), at 10.

Introduction to the Yiddish language, and to the culture of Ashkenazic Jewry, including story, song, and film of Europe, the Americas, and Israel.

Note: For students with little or no knowledge of Yiddish.

Yiddish Ba. Intermediate Yiddish I

Catalog Number: 6023

Yuri Vedenyapin

Half course (fall term). M., W., 1–2:30.

Further develops the four basic communication skills. Includes selected readings from modern Yiddish literature.

Prerequisite: Yiddish A or equivalent.

Yiddish Bb. Intermediate Yiddish II

Catalog Number: 1239

Yuri Vedenyapin

Half course (spring term). Section I: M., W., at 11; Section II: M., W., at 12.

Continuation of Yiddish Ba.



Yiddish Ca. Advanced Yiddish I

Catalog Number: 8331

Yuri Vedenyapin

Half course (fall term). M., W., 3–4:30. EXAM GROUP: 8, 9

Yiddish Cb. Advanced Yiddish II

Catalog Number: 8968

Yuri Vedenyapin

Half course (spring term). M., W., 1–2:30. EXAM GROUP: 6, 7

Prerequisite: Yiddish Ca or equivalent.

Yiddish 104. Faith and Reason in Modern Yiddish Literature - (New Course)

Catalog Number: 9102

Ruth R. Wisse

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

Declining confidence in God and growing faith in human reason inspired the renaissance of Yiddish and Hebrew literatures, until their writers began to doubt its "improvements." Course examines this premise studying major works of fiction, drama, and poetry by I. L. Peretz, Sholem Aleichem, Bialik, An-sky, Asch, Brenner, Berdyczewski, the family Singer, and others. Readings in English. Added section available for readers of Yiddish.

[Yiddish 109. The Yiddish Novel Under Tsars and Stripes]

Catalog Number: 6009

Ruth R. Wisse

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2008–09. All works available in English translation. There will be an extra section for Yiddish readers.

Primarily for Graduates

Yiddish 200r. Modern Yiddish Literature: Bashevis Singer and Grade: Seminar

Catalog Number: 4263

Ruth R. Wisse

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Cast as the great rivals of modern Yiddish prose, Singer and Grade gain from being studied in tandem. Course treats their approaches to autobiography, choices of literary genre, treatments of gender, uses of memory and commemoration, responses to the Holocaust, Israel, and America. *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*) and Professor of Ophthalmology (*Medical School*) (*Chair and Head Tutor*)

Randy L. Buckner, Professor of Psychology

Florian Engert, Associate Professor of Molecular and Cellular Biology

Takao K. Hensch, Professor of Molecular and Cellular Biology (*FAS*) and Professor of Neurology (*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, Tutor in Biochemical Sciences

Jonathan I. Matsui, Lecturer on Molecular and Cellular Biology, and Concentration Advisor in the Life Sciences

Markus Meister, Jeff C. Tarr Professor of Molecular and Cellular Biology

Venkatesh N. Murthy, Professor of Molecular and Cellular Biology, Tutor in Biochemical Sciences

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

Naoshige Uchida, Assistant Professor of Molecular and Cellular Biology

Yun Zhang, Assistant Professor of Biology

Other Faculty Offering Instruction in Neurobiology

Steven E. Hyman, Professor of Neurobiology (*Medical School*) and Provost of Harvard University

Eng H. Lo, Professor of Radiology (*Medical School*)

Mark Tramo, Assistant Professor of Neurology (*Medical School*)

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.

Tutorials

The Neurobiology 95hf Program (formerly Biology 95hf) is taught by MCB, OEB, and medical school faculty. In most cases, the Tutorials are half courses spread throughout the year, but may be taught in one semester. 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.

Primarily for Undergraduates

***Neurobiology 95a. Can We Learn About How We Learn? Neurogenetics in Learning and Memory - (New Course)**

Catalog Number: 9013

Yun Zhang

Half course (fall term). Hours to be arranged.

Learning is a remarkable function of the nervous system. This seminar series is focused on the genetic effects on learning processes. We will first review the basic physiology of and molecular signaling in neurons. We will then discuss current understanding of molecular and cellular mechanisms of learning based on studies in *Aplysia*, *C. elegans*, *Drosophila* and mammalian hippocampus. Finally, we will discuss current progress on addiction and drug abuse, and possible treatments.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfb. Neurobiology of Decision-Making - (New Course)**

Catalog Number: 6972

Naoshige Uchida

Half course (throughout the year). Fall: Th., 7:30–9 p.m. EXAM GROUP: Fall: 18

How does an animal learn from an ever-changing environment and adjust their behavior? What is the neuronal underpinning of decision-making? Recent advances in neuroscience have provided insights about neuronal processes underlying decision-making. This tutorial examines key literatures on neurophysiological studies of decision-making. Through these readings, students learn recent advances in research, various key concepts and quantitative analysis



methods used in neurophysiological studies of decision-making.

Prerequisite: MCB 80 and permission of the instructor.

***Neurobiology 95hfc. Experience-Based Brain Development: Causes and Consequences - (New Course)**

Catalog Number: 5390

Takao K. Hensch (Medical School)

Half course (throughout the year). Fall: Tu., 2–3:30. EXAM GROUP: Fall: 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. Guest lecturers from Harvard Schools of Education, Public Health and Medicine.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfd (formerly *Biology 95hfd). Problem Solving in Neuroscience: An Interactive Case-Based Online Network (ICON)**

Catalog Number: 3437

John E. Dowling, Jonathan I. Matsui, and members of the Faculty

Half course (throughout the year). Fall: Th., 6:30–8 p.m. EXAM GROUP: Fall: 18

The ICON tutorial facilitates hypothesis-driven decision-making and collaborative team management to enhance the integration of information, and to encourage faculty-student partnerships in the learning of neuroscience. ICON is real-time simulation using online learning modules that permit students to communicate directly with faculty, specialists from different disciplines, and with the “patient” in difficult neuroscience cases. By emphasizing this student-centered process of learning, ICON can yield a new interdisciplinary competency that shapes the way the student thinks.

Prerequisite: MCB 80 and permission of the instructor.

***Neurobiology 95hfi (formerly *Biology 95hfi). Eye Can’t Hear You: Blindness and Deafness in Society**

Catalog Number: 9859

Jonathan I. Matsui

Half course (throughout the year). Tu., 7:30–9 p.m.

This course presents the ear and retina as model systems to investigate neural degeneration and regeneration. We will first examine how the loss of hearing and vision through genetics, aging, and the environment affects the individual and their families. We will then examine different mechanisms by which partial restoration of these senses may occur through the use of stem cells, prosthetics, and other treatments.

Prerequisite: LS 1a, MCB 80, and permission of the instructor.

***Neurobiology 95hfj (formerly *Biology 95hfj). The Sleeping Brain**

Catalog Number: 6361

John E. Dowling, Jonathan I. Matsui, and members of the Faculty

Half course (throughout the year). Fall: W., 6–7:30 p.m. EXAM GROUP: Fall: 9



The average person will sleep more than 20 years in their lifetime. What are the operations of the brain during this altered state of consciousness? In this seminar, we will broadly explore the neuroscience of sleep, including anatomy and physiology, human disease (parasomnias, narcolepsy etc.), animal and computation models of human sleep, and neuroimaging. Behavioral and cognitive neuroscience of sleep will be emphasized. Students will learn to critically appraise scientific literature.

Prerequisite: LS 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). Fall: Th., 2–4.

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.

Prerequisite: MCB 80 and permission of the instructor.

***Neurobiology 98r. Laboratory Research**

Catalog Number: 0494

John E. Dowling, Jonathan I. Matsui, and members of the Faculty

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 can 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 99r. Supervised Research for Honors Thesis**

Catalog Number: 9400

John E. Dowling, Jonathan I. Matsui, 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 99r.

Note: Laboratory safety session required.

For Undergraduates and Graduates

Neurobiology 101. Auditory Neurobiology of Language and Music - (New Course)

Catalog Number: 6795

Mark Tramo (Medical School) and Jonathan I. Matsui

Half course (fall term). Tu., Th., 11:30–1, and one ninety-minute section. EXAM GROUP: 13, 14

This lecture course takes an interdisciplinary approach to understanding how the brain and ear process acoustic signals to generate auditory percepts and mental representations of language and



music. Students will be expected to master topics in systems neuroscience, molecular neuroscience, acoustics, psychophysics, cognitive psychology, and development. Genetic and acquired causes of hearing loss, aphasia, and amusia will be examined from the perspectives of molecular pathology and pathophysiology.

Prerequisite: MCB 80.

Neurobiology 130 (formerly Psychology 1205). Interventions for the Brain: From Neurobiology to Ethics

Catalog Number: 4056

Steven E. Hyman

Half course (fall term). Tu., Th., 1-2:30 and section meetings. EXAM GROUP: 15, 16

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.

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

[Engineering Sciences 148. Neural Signal Processing]

***Life Sciences 100r (formerly *MCB 100r). Experimental Research in the Life Sciences**

MCB 80 (formerly Biological Sciences 80). Neurobiology of Behavior

MCB 105. Systems Neuroscience

MCB 115. Cellular Basis of Neuronal Function

[MCB 117. Experimental Neuroscience]

***MCB 129. Molecular Genetics of Neural Development and Behavior**

[MCB 141. Molecular and Developmental Neurobiology]

[MCB 173. Optical Imaging in the Biological Sciences]

MCB 186. Circadian Biology: From Cellular Oscillators to Sleep Regulation

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](#)

[\[OEB 174r. Topics in Behavioral Ecology\]](#)

[\[Physics 141. The Physics of Sensory Systems in Biology\]](#)

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) (on leave fall term)

Peter John Huybers, Assistant Professor of Earth and Planetary Sciences

James J. McCarthy, Professor of Biological Oceanography and Alexander Agassiz Professor of
Biological Oceanography

Daniel P. Schrag, Professor of Earth and Planetary Sciences and Professor of Environmental
Science and Engineering

Courses in the various branches of oceanography are listed separately under the headings
Biology, Engineering Sciences and Applied Physics, and Earth and Planetary Sciences in this
catalog. Further information on related courses and on other opportunities for study in
oceanography at the University, at the Woods Hole Oceanographic Institution, and at the Marine
Biological Laboratory may be obtained from the Official Register "Instruction in
Oceanography," or from members of the Faculty Committee on Oceanography. Undergraduate
and graduate students are 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 Abzhanov, Assistant Professor of Organismic and Evolutionary Biology
 Colleen M. Cavanaugh, Edward C. Jeffrey Professor of Biology
 Charles C. Davis, Assistant Professor of Organismic and Evolutionary Biology
 Kathleen Donohue, Associate Professor of Biology
 Jacques Dumais, Associate Professor of Organismic and Evolutionary Biology
 Scott V. Edwards, Professor of Organismic and Evolutionary Biology and Alexander Agassiz Professor of Zoology
 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, Assistant Professor of Organismic and Evolutionary Biology
 Gonzalo Giribet, Professor of Biology (*on leave 2007-08*)
 David A. Haig, George Putnam Professor of Organismic and Evolutionary Biology (*Head Tutor*)
 James Hanken, Professor of Biology and Curator of Herpetology and Alexander Agassiz Professor of Zoology in the Museum of Comparative Zoology
 Daniel L. Hartl, Higgins Professor of Biology
 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 Alexander Agassiz Professor of Zoology (*FAS*) and Professor of Anatomy in the Harvard-MIT Division of Health Sciences and Technology (*Medical School*)
 Andrew H. Knoll, Fisher Professor of Natural History and Professor of Earth and Planetary Sciences (*on leave spring term*)
 Elena M. Kramer, Associate of Leverett House, Professor of Organismic and Evolutionary Biology
 George V. Lauder, Professor of Biology and Alexander Agassiz Professor of Zoology
 Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology
 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 and Alexander Agassiz Professor of Biological Oceanography
 Paul R. Moorcroft, Professor of Biology
 Martin A. Nowak, Professor of Mathematics and of Biology (*on leave fall term*)
 Bence P. Olveczky, Assistant Professor of 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, Assistant Professor of Organismic and Evolutionary Biology
 John R. Wakeley, Professor of Organismic and Evolutionary Biology
 Robert M. Woollacott, Professor of Biology
 Yun Zhang, Assistant Professor of Biology



Other Faculty Offering Instruction in Organismic and Evolutionary Biology

Andrew J. Berry, Lecturer on Biology
William H. Bossert, David B. Arnold, Jr. Professor of Science
Michael R. Canfield, Lecturer on Organismic and Evolutionary Biology
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 Core area requirement for Science B.

[OEB 51 (formerly OEB 110). Biology and Evolution of Invertebrate Animals]

Catalog Number: 7873 Enrollment: Limited to 12.

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, emphasizing the 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: Expected to be given in 2008–09. Field trip to the Caribbean for research during spring break.

Prerequisite: OEB 10 (or BS 51) or OEB 53 (formerly BS 53) or EPS 181, or permission of instructor required.

OEB 52 (formerly OEB 124). Biology of Plants

Catalog Number: 1343 Enrollment: Limited to 16.

Elena M. Kramer, Jacques Dumais, and N. Michele Holbrook

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 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). Tu., Th., 10–11:30 and a weekly two hour section. EXAM GROUP: 12, 13

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 area requirement for Science B.

Prerequisite: Life Sciences 1b or BS 50 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 Tuesdays from 2:30 to 5. EXAM GROUP: 15, 16

This intensive course explores the fascinating diversity of the kingdom fungi, including evolution, ecology and morphology. All the 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).

Prerequisite: Life Sciences 1a and 1b or permission of instructor.

OEB 55 (formerly Biological Sciences 55). Ecology: Populations, Communities, and Ecosystems

Catalog Number: 3365

William H. Bossert

Half course (spring term). M., W., F., at 10, 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.

Prerequisite: Mathematics 1b and prior biology experience.

OEB 57 (formerly Biological Sciences 57). Animal Behavior

Catalog Number: 2539

Naomi E. Pierce



Half course (fall term). Tu., Th., at 10; Guest lectures and film screenings W., at 7:30 pm; ninety minutes of 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., F., 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.

Prerequisite: OEB 10 or BS 51 or permission of the instructor.

OEB 91r. Supervised Reading

Catalog Number: 6374

David A. Haig 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.

Prerequisite: Four terms of biology.

***OEB 99r. Supervised Research**

Catalog Number: 7744

David A. Haig 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 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 Thursdays. EXAM

GROUP: 12, 13

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 2008–09. 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 BS 51 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. EXAM GROUP: 15, 16

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 2008–09.

Prerequisite: OEB 124 (formerly Bio 24) and Life Sciences 1b 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 3 hour lab with hours to be arranged. EXAM GROUP: 3

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 2008–09.

Prerequisite: OEB 10 or permission of instructor.

OEB 111. Plants and Environmental Sensing - (New Course)

Catalog Number: 7832 Enrollment: Limited to 30.

Sarah L. Mathews (Arnold Arboretum)

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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 - (New Course)

Catalog Number: 1777

Charles R. Marshall

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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.

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. EXAM GROUP: 4

Viviparity has evolved many times in vertebrate phylogeny. The course reviews the diversity of parental care in vertebrates and explore the selective forces that have favored the evolution of live-bearing. The evidence for intergenerational conflicts is considered.

Prerequisite: Life Sciences 1b or permission of instructor.

OEB 115. Evolutionary Developmental Biology in Animals - (New Course)

Catalog Number: 9892

Arkhat Abzhanov

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

Prerequisite: Life Sciences 1a and 1b, OEB 10 or permission of instructor.

OEB 118. Biological Oceanography

Catalog Number: 7752

James J. McCarthy

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: For biology and other natural science concentrators.

Prerequisite: OEB 10 or BS 51, and Life Sciences 1a, Physical Sciences 1 or permission of instructor.

OEB 119. Deep Sea Biology - (New Course)

Catalog Number: 1397

Peter R. Girguis



Half course (spring 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 120. Physiology of Plants]

Catalog Number: 2554

N. Michele Holbrook

Half course (fall term). Hours to be arranged.

Introduction to the physiology, biochemistry, and development of plants. Topics include photosynthesis, energy balance, transport processes, growth, biomechanics, and reproduction. Emphasis on the physiological basis for structural adaptations of plants in relation to environmental constraints and on mechanisms leading to developmental and physiological integration at the whole-plant level. Laboratory sessions provide an introduction to basic measurement techniques in plant physiology.

Note: Expected to be given in 2008–09.

***OEB 121a. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4049

Andrew A. Biewener, 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 vertebrates. 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: LS2 or OEB 102 or equivalent preferred.

***OEB 121b. Advanced Structure and Physiology of the Vertebrates**

Catalog Number: 4670

Andrew A. Biewener, George V. Lauder, and Daniel E. Lieberman

Half course (fall term). Hours to be arranged.

Students may extend the initial project undertaken in Biology 121a into a thesis research project.

Note: Laboratory safety session required.

Prerequisite: OEB 121a (formerly Bio 121a) and permission of instructor.

[OEB 122 (formerly OEB 122a). Field Research in Ecology and Conservation]

Catalog Number: 9324

David R. Foster, Kathleen Donohue, and N. Michele Holbrook

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

Introduces students to advanced concepts in ecology and conservation in preparation for research through focused discussion and field trips with individual and collaborating faculty and science teams. Students will learn to read/critique scientific literature, prepare annotated bibliographies



and write independent research proposals. Topics include long term ecological research at the Harvard Forest; field sampling methods; data management; and interdisciplinary studies in ecology and conservation. Appropriate for undergraduates interested in ecology, environment and related fields.

Note: Expected to be given in 2008–09.

Prerequisite: OEB 10, OEB 55 (formerly BS 55) or equivalent.

[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 endosymbiosis with emphasis on mutualism, 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.

Note: Expected to be given in 2008–09.

Prerequisite: Life Sciences 1b (or BS 50), OEB 10 (or BS 51), 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. EXAM GROUP: 13, 14

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: 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 and Karel F. Liem

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

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 BS 50), or LS2, and OEB 10 (or BS 51), or permission of instructor.



OEB 139. Evolution of the Vertebrates

Catalog Number: 8562

Farish A. Jenkins, Jr.

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

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 152. Population Genetics]

Catalog Number: 0903

John R. Wakeley

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Introduction to population genetic theory. Covers deterministic and stochastic theory of gene frequencies, and coalescent theory of sample-based statistics. Emphasis on patterns of genetic variation within and between populations, and how these can serve as the basis for inference about mutation, genetic drift, migration, natural selection, and population structure.

Note: Expected to be given in 2008–09.

Prerequisite: OEB 53 (or BS 53), calculus, and knowledge of statistics and probability.

OEB 155r. Biology of Insects

Catalog Number: 2346 Enrollment: Limited to 15.

Naomi E. Pierce and Michael R. Canfield

Half course (fall term). F., 2–3:30. EXAM GROUP: 7, 8

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 156r. Tropical Insect Systematics]

Catalog Number: 0584

Brian D. Farrell

Half course (spring term). Hours to be arranged.

A lab course on the systematics and diagnosis of the 200 principal families across 26 orders of insects, including acquisition of the skills to perform rapid onsite insect biodiversity assessment and documentation in the field. Learning to identify insects to the family level using microscopes and a teaching collection. Includes a spring break fieldtrip to the Dominican Republic, during which student teams will collect and process insect specimens for database entry onsite, including digital imaging.

Note: Expected to be given in 2008–09.

Prerequisite: OEB 10 or BS 51 or OEB 53 (formerly BS 53) or permission of instructor.



[OEB 157. Global Change Biology]

Catalog Number: 7055

Paul R. Moorcroft and James J. McCarthy

Half course (spring term). Hours to be arranged.

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 2008–09.

Prerequisite: OEB 10 or BS 51 or OEB 53 (formerly BS 53) and Mathematics 1a required. OEB 55 (formerly BS 55) recommended.

OEB 167. Herpetology - (New Course)

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 a week-long field trip during spring break.

OEB 168r. Life Cycles of Plants

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.

OEB 173. Comparative Biomechanics - (New Course)

Catalog Number: 9667

Andrew A. Biewener and Jacques Dumais

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

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 1a and 1b and 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 and Jonathan Losos

Half course (spring term). M., 2:30–4:30. EXAM GROUP: 7, 8, 9

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 2008–09.

Prerequisite: OEB 57 (formerly BS 57) or MCB 80 or Science B-29 or permission of instructor.

[OEB 181. Systematics]

Catalog Number: 5459

Gonzalo Giribet and Charles R. Marshall

Half course (fall term). Tu., Th., 10–11:30; laboratory on Wednesdays with hours to be arranged. EXAM GROUP: 12, 13

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 2008–09.

Prerequisite: OEB 53 (formerly BS 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). M., W., 2:30–4:30. EXAM GROUP: 7, 8, 9

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 2008–09.

Prerequisite: MCB 54 (formerly BS 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. EXAM GROUP: 13, 14

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 2008–09.

Prerequisite: OEB 10 or OEB 53 or permission of the instructor.



OEB 191. Physiological and Biochemical Adaptation

Catalog Number: 2314

Peter R. Girguis

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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.

Prerequisite: OEB 10 or BS 51 or MCB 56 (formerly BS 56) or permission of the instructor.

OEB 192. Microbial Evolution

Catalog Number: 5019

Christopher Marx

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

An examination of the evolution of microbes through an integration of lectures and discussion of primary literature. Additionally, students will be involved in two experimental evolution projects: one involving microbes in the laboratory, the other with 'digital organisms.' 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.

Prerequisite: Life Sciences 1a and Life Sciences 1b or equivalent required. OEB 53 (formerly BS 53) or equivalent recommended but not required.

OEB 193 (formerly OEB 122b). Advanced Research in Ecology and Conservation

Catalog Number: 7742

David R. Foster, Kathleen Donohue, and N. Michele Holbrook

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Unique peer learning/workshop format provides formal training to students actively engaged in the research process. Students will develop publications, presentations, senior theses, and/or interdisciplinary collaborations from current or recent field/lab research activities. Includes focused reading and discussion of student work and relevant literature, plus field trips to the Harvard Forest for hands-on training and workshops in scientific writing/presentations, mapping/graphics, & experimental design/analysis. Tailored to the individual research needs of enrollees. Can supplement or substitute for 99r.

Prerequisite: OEB 10, OEB 55 (formerly BS 55), OEB 122 or equivalent.

Primarily for Graduates

[OEB 208r. Issues in Historical Paleobiology: Seminar]

Catalog Number: 1344

Andrew H. Knoll

Half course (fall term). Hours to be arranged.

A seminar focusing on current issues in the history of life. Each year, a single event or time interval is explored.

Note: Expected to be given in 2008–09.



[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 2008–09.

OEB 212r. Advanced Topics in Plant Physiology

Catalog Number: 2176

N. Michele Holbrook and Andrew H. Knoll

Half course (fall term). Hours to be arranged.

A critical discussion of current research in plant physiology including measurement techniques, modeling, and experimental approaches. In 2007 we will focus on how quantitative predictions drawn from the study of extant plants can be used to illuminate and constrain the functional biology of fossil lineages. We will critically examine quantitative models of fluid flow in stems and leaves, stressing the physiological consequences of anatomical features preservable in fossils, and then evaluate the utility of these and other approaches in the physiological reconstruction of selected Paleozoic fossils.

Prerequisite: OEB 120 (formerly Bio 120,) OEB 107 (formerly Bio 107,) or permission of instructor.

***OEB 214. Biology of Acoustic Communities - (New Course)**

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.

Prerequisite: OEB 10 or permission of the 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.

Prerequisite: Life Sciences 1b (formerly BS 50) and OEB 10 or BS 51, and MCB 52 or equivalent, or permission of instructor.

OEB 222. The Ecology and Biogeography of Speciation - (New Course)

Catalog Number: 4765



Jonathan Losos

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Using a recent synthesis on speciation in birds as a starting point, this course will examine ecological, biogeographic, and behavioral factors that affect speciation. Recent developments—both conceptual and methodological—will be extensively discussed and integrated with more classical approaches. Topics such as species concepts, adaptive radiation, evolutionary trends, and macroevolution will be examined as they relate to speciation. We will specifically address whether conclusions about patterns and processes of speciation in birds hold for other types of plants and animals.

Prerequisite: OEB 53 (formerly BS 53) or equivalent course.

OEB 223. Topics in Neurogenetics - (New Course)

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 2008–09.

Prerequisite: Earth and Planetary Sciences 30 or permission of instructor.

***OEB 234. Topics in Marine Biology**

Catalog Number: 4637

Robert M. Woollacott

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

Reproduction and dispersal of marine organisms. Human impact on marine community structure.

Note: Weekly class meeting including several laboratories and demonstrations and one field trip through the course of term.

***OEB 251. Introduction to Vertebrate Surgery**

Catalog Number: 2075 Enrollment: Limited to 16.

Arthur L. Lage (Medical School)

Half course (fall term). W., 1–4. EXAM GROUP: 6, 7, 8

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. EXAM GROUP: 2

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.

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., 1–2:30. EXAM GROUP: 6, 7

Readings and discussion of primary literature in population and evolutionary genetics.

Prerequisite: OEB 152 or consent of instructor.

OEB 255. Nature and Regulation of Marine Ecosystems

Catalog Number: 7753

James J. McCarthy and guest lecturers

Half course (fall term). F., 10–12.

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.

Prerequisite: OEB 55 (formerly BS 55) and OEB 118.

OEB 261r (formerly Biology 261r). Developmental Mechanisms of Evolutionary Change

Catalog Number: 8451

Arkhat Abzhanov and James Hanken

Half course (spring term). M., 3–4:30. EXAM GROUP: 8, 9

A graduate seminar course in evolutionary developmental biology. In this course, we will discuss the latest advances in our understanding of cellular and molecular developmental mechanisms behind important evolutionary concepts with emphasis on major evolutionary transitions and the origin of innovations in animal evolution.

Prerequisite: OEB 10 or OEB 53 (formerly BS 53) or by permission of the instructor.

OEB 268r. Topics in Plant Developmental Genetics

Catalog Number: 5020

Elena M. Kramer

Half course (fall term). Hours to be arranged.



This lecture/seminar reviews the literature related to a particular topic plant 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 by permission of instructor.

[*OEB 272r. Origin and Evolution of Vertebrate Complex Systems]

Catalog Number: 6315

Farish A. Jenkins, Jr. and Karel F. Liem

Half course (spring term). Hours to be arranged.

Current advances in our understanding of complex structures and functions in vertebrates, their evolutionary origins, and their integration within the whole organism. Neontological and paleontological topics to be selected and presented by students and instructors.

Note: Expected to be given in 2008–09.

Prerequisite: OEB 102 and OEB 130 (or OEB 139), or Medical Sciences 250ab, or equivalent.

OEB 274. Evolutionary Ecology

Catalog Number: 2152

Kathleen Donohue

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Graduate seminar on fundamental principles of evolutionary ecology. The course will provide the foundations of microevolutionary theory studied from an ecological perspective.

OEB 275r. Neutrality, Selection and Population History

Catalog Number: 5004

Scott V. Edwards

Half course (spring term). M., 1:30–3. EXAM GROUP: 6, 7

Through reading of the primary literature, this course reviews recent empirical evidence for natural selection at the molecular level. Topics will vary depending on student interest, and could include host-parasite interactions, balancing selection, geographic variation, molecular clocks, and eukaryotic genome evolution.

Prerequisite: OEB 53, OEB 152 or equivalent.

[*OEB 276. Models of Development]

Catalog Number: 1448

Jacques Dumais

Half course (spring term). Hours to be arranged.

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 2008–09.

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. EXAM GROUP: 7, 8, 9

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.

[OEB 279. Topics in Microbial Metabolic Systems]

Catalog Number: 4560

Peter R. Girguis and Christopher J. Marx

Half course (fall term). M., 12:30–3. EXAM GROUP: 5, 6, 7

This course covers microbial metabolism, with a focus on quantitative analyses and modeling. Topics will range from cellular biochemical networks to biogeochemical cycling, with an emphasis on integrating the linkages between processes across scales.

Note: Expected to be given in 2008–09.

Prerequisite: Biochemistry or equivalent, or permission of instructor.

[*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: Expected to be given in 2008–09. Seminars, conferences, field, and laboratory work at the Harvard Forest, Petersham, Massachusetts.

Cross-listed Courses

[Human Evolutionary Biology 1420 (formerly Anthropology 1420). Human Anatomy]

[*Human Evolutionary Biology 1463 \(formerly *Anthropology 1463\). Molecular Evolution of the Primates](#)

[Mathematics 153. Mathematical Biology-Evolutionary Dynamics]

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



***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 (on leave 2007-08)

***OEB 311. Ecosystem Ecology**

Catalog Number: 6416

Paul R. Moorcroft 4174

***OEB 312. Evolutionary Ecology**

Catalog Number: 2029

Kathleen Donohue 4292

***OEB 313. Paleobiological Approaches to Evolution and Ecology - (New Course)**

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

***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

Karel F. Liem 3843

***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

***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 (on leave spring term)

***OEB 360. Plant Biophysics**

Catalog Number: 8421

Jacques Dumais 4719

***OEB 361. Somatic Evolution of Cancer**

Catalog Number: 5791

Martin A. Nowak 4568 (on leave fall term)

***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 Abzhanov 5597

***OEB 369. Molecular Genetics of Neuroscience - (New Course)**

Catalog Number: 5175

Yun Zhang 5780

***OEB 370. Mammalian Evolutionary Genetics - (New Course)**

Catalog Number: 3072

Hopi E. Hoekstra 5814

***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 IN FAS COURSES OF INSTRUCTION

Faculty of the Department of Philosophy

Richard Moran, Brian D. Young Professor of Philosophy (*Chair*)
Selim Berker, Assistant Professor of Philosophy
Matthew Boyle, Assistant Professor of Philosophy (*on leave 2007-08*)
Cheryl K. Chen, Lecturer on Philosophy
Peter Godfrey-Smith, Professor of Philosophy (*on leave 2007-08*)
Warren Goldfarb, Walter Beverly Pearson Professor of Modern Mathematics and Mathematical Logic (*on leave 2007-08*)
Edward J. Hall, Professor of Philosophy (*Head Tutor*)
Frances Kamm, Professor of Philosophy (FAS) and Littauer Professor of Philosophy and Public Policy (*Kennedy School*)
Sean D. Kelly, Professor of Philosophy (*on leave 2007-08*)
Peter Koellner, Associate Professor of Philosophy
Christine M. Korsgaard, Arthur Kingsley Porter Professor of Philosophy (*on leave 2007-08*)
Douglas Lavin, Assistant Professor of Philosophy
Samuel Levey, Visiting Associate Professor of Philosophy (*Dartmouth College*)
Jeffrey K. McDonough, Assistant Professor of Philosophy (*on leave 2007-08*)
Bernhard Nickel, Assistant Professor of Philosophy
Derek Parfit, Visiting Professor of Philosophy (*All Souls College, Oxford*) (*spring term only*)
Paul M. Pietroski, Visiting Professor of Philosophy, Visiting Scholar in Philosophy (*University of Maryland*) (*spring term only*)
Andrews Reath, Visiting Professor of Philosophy (*University of California, Riverside*)
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity
Amartya Sen, Lamont University Professor
Sun-Joo Shin, Visiting Professor of Philosophy (*Yale University*) (*spring term only*)
Susanna Siegel, Professor of Philosophy
Alison Simmons, Professor of Philosophy (*on leave 2007-08*)
Daniel Stoljar, Visiting Professor of Philosophy (*Australian National University*) (*fall term only*)
Gisela Striker, Walter C. Klein Professor of Philosophy and of the Classics (*Director of Graduate Studies*)
Christine J. Thomas, Visiting Assistant Professor of Philosophy (*Dartmouth College*)
Philippe van Parijs, Visiting Professor of Philosophy, Associate of the Department of Philosophy (*Université catholique de Louvain*) (*spring term only*)

Other Faculty Offering Instruction in Philosophy

Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government
Tommie Shelby, Professor of African and African American Studies and of Philosophy

Primarily for Undergraduates



Philosophy 3. Introduction to the Problems of Philosophy

Catalog Number: 1996

Bernhard Nickel

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

An introduction to the topics and methods of philosophy, concentrating on the following questions: what is the nature of knowledge? What can we know? What is rational action? Are we ever responsible for our actions? Can we survive the death of our bodies? What is the nature of material objects?

Philosophy 7. Introduction to Ancient Philosophy

Catalog Number: 1583

Christine J. Thomas (Dartmouth College)

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

A survey of some main themes and figures of ancient philosophical thought, concentrating on the Pre-Socratics, Plato, and Aristotle. Topics include the nature of reality, the ways we might come to have knowledge, and the good life for human beings.

Philosophy 8. Introduction to Early Modern Philosophy

Catalog Number: 8947

Samuel Levey (Dartmouth College)

Half course (spring term). M., W., (F.), at 10. EXAM GROUP: 3

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 12. Introduction to the Philosophy of Law

Catalog Number: 1951

Douglas Lavin

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

Crime, punishment and responsibility: some questions concerning the criminal law. (i) How, if at all, can criminal punishment be justified? (ii) By what principles or criteria should the criminal law hold people responsible? (iii) What sorts of conduct may the state rightly make criminal?

[Philosophy 19. Introduction to Philosophy of Religion]

Catalog Number: 6837

Jeffrey K. McDonough

Half course (spring term). Hours to be arranged.

A study of some central themes in the philosophy of religion, including the relationship between faith and reason, the nature of divine activity and attributes, and the tenability of miracles.

Note: Expected to be given in 2008–09.

***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). Th., 3–4:30.

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

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 101. Plato

Catalog Number: 5374

Christine J. Thomas (Dartmouth College)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

*An examination of Plato's metaphysics and epistemology as developed in *Phaedo*, *Republic* and *Timaeus*.*

***Philosophy 107. Ancient Skepticism: Proseminar - (New Course)**

Catalog Number: 7837

Gisela Striker

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

*A look at the two ancient brands of skepticism, Academic and Pyrrhonist, based on Cicero's *Academic Books* and Sextus Empiricus' *Outlines of Skepticism*.*

Philosophy 120. The Rationalists

Catalog Number: 2512

Samuel Levey (Dartmouth College)

Half course (fall term). Tu., Th., at 12; . EXAM GROUP: 14

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 122. British Empiricism]

Catalog Number: 9025



Jeffrey K. McDonough

Half course (fall term). Hours to be arranged.

A study of the central works of Locke, Berkeley, and Hume with primary emphasis on their contributions to metaphysics and epistemology.

Note: Expected to be given in 2008–09.

Philosophy 132. Marx and Marxism - (New Course)

Catalog Number: 6039

Tommie Shelby

Half course (fall term). Tu., Th., at 11. EXAM GROUP: 13

Introduces the political philosophy and social theory of Karl Marx. Through primary texts we study his theory of history, his account of human self-alienation, his theory of ideology, his attempt to establish that capitalism is exploitative, his critique of liberalism, and his conception of freedom. Discussion also of some contemporary philosophical writings in the Marxist tradition.

***Philosophy 136x. The Philosophy of C.S. Peirce: Proseminar - (New Course)**

Catalog Number: 1636

Sun-Joo Shin (Yale University)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Charles S. Peirce's overall philosophical project and his contribution to various areas of philosophy, e.g. metaphysics, philosophy of science, philosophy of logic, epistemology, etc. Following a brief survey of the American intellectual background of Peirce's era, selected works by Peirce (mainly in chronological order) are the main texts.

Philosophy 137. The Later Philosophy of Wittgenstein

Catalog Number: 3360

Richard Moran

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 142z. Intermediate Logic: Introduction to Model Theory: Proseminar - (New Course)**

Catalog Number: 4082

Peter Koellner

Half course (spring term). F., 2–4.

Review of first-order logic; basic elements of model theory, including completeness, compactness, Loewenheim-Skolem theorem, Craig's interpolation lemma, Robinson's theorem, Beth's definability theorem, a unified perspective. The approach is based on a series of entertaining puzzles.

Prerequisite: QR 22 or permission of the instructor.



Philosophy 143q. Intensional Logic - (New Course)

Catalog Number: 3550

Sun-Joo Shin (Yale University)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

Logical treatment of "intensional" constructions, particularly necessity, possibility, and tense. Basic modal propositional logic and its semantics by "possible worlds". Elements of propositional tense logic. Quantifiers, singular terms, and existence, and their interaction with modality. Montague Semantics.

[Philosophy 144. Logic and Philosophy]

Catalog Number: 1111

Warren Goldfarb

Half course (spring term). Hours to be arranged.

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. *Note:* Expected to be given in 2008–09.

Prerequisite: Some knowledge of deductive logic.

***Philosophy 146y. Meaning, Quantification and Number: Proseminar - (New Course)**

Catalog Number: 7494

Paul M. Pietroski (University of Maryland)

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An examination of issues concerning quantificational and numeric expressions like "every", "most", and "seven". What do such words mean? How are they special, grammatically and semantically? How do children understand such words? How can the tools of logic, linguistics, and psychology be used to formulate and evaluate interesting hypotheses in this domain?

Note: Qualifies as an MBB junior seminar.

Philosophy 147. Philosophy of Language

Catalog Number: 8887

Bernhard Nickel

Half course (fall term). M., W., (F.), at 1. EXAM GROUP: 6

A survey of central questions in the philosophy of language. Is language primarily a biological or a rational phenomenon? What is meaning? Is language-use governed by specifically linguistic rules, or is it continuous with other rational activity? Can you really translate one language into another? How can we deal with linguistic paradoxes? Readings include Chomsky, Frege, Grice, Quine, Wittgenstein, and Kripke.

Philosophy 151z. Philosophy of Physics

Catalog Number: 5465

Edward J. Hall

Half course (spring 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 156. Philosophy of Mind

Catalog Number: 3410

Susanna Siegel

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 157. Philosophy of Action

Catalog Number: 6262

Douglas Lavin

Half course (fall term). Tu., Th., at 1. EXAM GROUP: 15

A study of contemporary work in the philosophy of action. Specific issues include: the nature of action and action explanation; knowledge and control of one's own action; the temporality of action. Particular attention to the work of Anscombe and Davidson.

***Philosophy 158x. Physicalism: Proseminar - (New Course)**

Catalog Number: 5248

Daniel Stoljar (Australian National University)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

This course discusses the philosophical role of the thesis of physicalism, its various formulations, and arguments for and against it. Topics will include: the concept of the physical, skepticism about the concept, supervenience and emergentism.

Note: Qualifies as an MBB junior seminar.

***Philosophy 158y. Other Minds: Proseminar - (New Course)**

Catalog Number: 6371

Cheryl K. Chen

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

An investigation of the "problem of other minds" and related issues. How do you know that other people have thoughts and experiences similar to your own? What is the relation between psychological states and behavior? What assumptions must you make in order to interpret a person's linguistic utterances? What reason do you have to take the testimony of other people at face value?

Note: Qualifies as an MBB junior seminar.

***Philosophy 165. Metaphysics: Proseminar - (New Course)**

Catalog Number: 1293

Samuel Levey (Dartmouth College)

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

We have an idea of things existing "objectively" or "independently of the mind". (Bodies do,



afterimages don't. Or so it seems.) But just what is that idea, and is it tenable? Historical and contemporary readings.

Philosophy 168. Kant's Ethical Theory

Catalog Number: 8361

Andrews Reath (University of California, Riverside)

Half course (spring term). M., W., (F.), at 11. EXAM GROUP: 4

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*.

Philosophy 171w. Political Philosophy

Catalog Number: 0945

Philippe van Parijs (Université catholique de Louvain)

Half course (spring term). Tu., Th., at 11. EXAM GROUP: 13

What is a just society? What is a just world? Do they need to be democratic? If so, in what sense and why? The course will provide a critical discussion of the main contemporary answers to these questions and will explore their practical implications through debates on controversial issues prepared by teams of students.

Philosophy 172. The History of Modern Moral Philosophy

Catalog Number: 5184

Andrews Reath (University of California, Riverside)

Half course (fall term). M., W., (F.), at 11;. EXAM GROUP: 4

A study of the development of modern moral philosophy from its origins in the natural law theories of Hobbes and Pufendorf to the emergence of the two most influential theories of the modern period, utilitarianism and Kantianism, in the works of Bentham and Kant. Selections from the works of Hobbes, Clarke, Butler, Hutcheson, Hume, Smith, Price, and others.

***Philosophy 176x. Topics in Moral Philosophy: Proseminar**

Catalog Number: 0892

Thomas M. Scanlon, Jr.

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Various accounts of moral responsibility, concentrating on the question: What kind of freedom is required in order for blame or other forms of moral response to be appropriate, and why is it required?

***Philosophy 177. Normative Ethics: Proseminar - (New Course)**

Catalog Number: 2543

Andrews Reath (University of California, Riverside)

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

A study of some of the main currents in contemporary normative ethics, including deontology, consequentialism, and contractualism.

Cross-listed Courses



[African and African American Studies 126. Philosophical Perspectives on Race and Racism] - (New Course)

[Government 1052. History and Freedom in German Idealism - \(New Course\)](#)

[Greek 110r. Plato, *Republic*](#)

[Greek 128. Aristotle, *Rhetoric*](#)

[History of Science 106. History of Ancient Science](#)

[Latin 107. Lucretius' *De Rerum Natura*](#)

[Latin 130. Cicero, *Tusculans Book V* - \(New Course\)](#)

[Mathematics 143. Set Theory](#)

Primarily for Graduates

[*Philosophy 204. Language and Reality in Plato: Seminar - \(New Course\)](#)

Catalog Number: 8695

Christine J. Thomas (Dartmouth College)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

*A study of Plato's philosophy of language as developed in *Cratylus* and *Sophist*.*

[*Philosophy 222. Mathematics and Metaphysics in Leibniz: Seminar - \(New Course\)](#)

Catalog Number: 3539

Samuel Levey (Dartmouth College)

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

Leibniz's early ideas in the foundations of mathematics -- concerning number, infinite, totality, continuity, etc. -- turn out to be key elements in the content and development of his metaphysics. (No mathematics presupposed.)

[*Philosophy 245. Topics in Philosophy of Language: Seminar - \(New Course\)](#)

Catalog Number: 8236

Bernhard Nickel

Half course (spring term). Tu., 7:30–9:30 p.m. EXAM GROUP: 18

A survey of different semantic theories, using as their central notions: truth, probability, updates on contexts, and inference. Emphasis will be placed on finding points of contact and disagreement between different approaches.

[*Philosophy 256. Introspection: Seminar - \(New Course\)](#)

Catalog Number: 5785

Daniel Stoljar (Australian National University)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

This course examines philosophical theories of introspection. Topics will include: the characterization of introspection, its relation to other mental states and processes, its epistemic and philosophical role.

[*Philosophy 262. Intuitions and Philosophical Methodology: Seminar - \(New Course\)](#)

Catalog Number: 6908

Selim Berker

Half course (fall term). W., 4–6. EXAM GROUP: 9



Is the widespread practice among analytic philosophers of appealing to "intuitions" about cases legitimate? What, if anything, could establish the legitimacy of that practice? What, if anything, would constitute a viable alternative?

***Philosophy 268x. Topics in Kant's Moral Philosophy: Seminar - (New Course)**

Catalog Number: 3285

Andrews Reath (University of California, Riverside)

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Examines Kant's *Critique of Practical Reason* and his account of free agency as found in the first and second *Critiques*, the *Groundwork* and *Religion Within the Boundaries of Mere Reason*.

***Philosophy 273. Reasons and Rationality: Seminar - (New Course)**

Catalog Number: 9359

Thomas M. Scanlon, Jr. and Derek Parfit (All Souls College, Oxford)

Half course (spring term). W., 4–6. EXAM GROUP: 9

Reasons, rationality, and morality, and the relation between them.

***Philosophy 276. Ethics, Economics and the Market: Seminar - (New Course)**

Catalog Number: 3949

Amartya Sen, Michael J. Sandel, and Philippe van Parijs (Université catholique de Louvain)

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Explores morally controversial uses of markets and market reasoning in areas such as organ sales, procreation, gambling, migration, language rights, mercenary armies, vote-selling, for-profit prisons, and the commodification of medicine, law, and education.

Note: Open to GSAS students. Students from other graduate faculties may be admitted with permission of instructors.

***Philosophy 299hf. Individual Supervision**

Catalog Number: 8076

Gisela Striker 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

Government 2059. Rawls - (New Course)

***History of Science 206r. Physical Change, Matter, and Mixture in Aristotle: Seminar - (New Course)**

Mathematics 244. Advanced Set Theory - (New Course)

Graduate Courses of Reading and Research

***Philosophy 300a. Colloquium**

Catalog Number: 5615

Edward J. Hall 5324 and Susanna Siegel 2441



Half 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

Selim Berker 5514

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, Matthew Boyle 5279 (on leave 2007-08), Peter Godfrey-Smith 3338 (on leave 2007-08), Warren Goldfarb 4499 (on leave 2007-08), Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515 (on leave 2007-08), Peter Koellner 4680, Christine M. Korsgaard 2994 (on leave 2007-08), Douglas Lavin 5091, Samuel Levey (Dartmouth College) 5770, Jeffrey K. McDonough 5280 (on leave 2007-08), Richard Moran 1786, Bernhard Nickel 5516, Derek Parfit (All Souls College, Oxford) 2066 (spring term only) (spring term only), Andrews Reath (University of California, Riverside) 5774, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Sun-Joo Shin (Yale University) 5775 (spring term only) (spring term only), Susanna Siegel 2441, Alison Simmons 1300 (on leave 2007-08), Daniel Stoljar (Australian National University) 5776 (fall term only) (fall term only), Gisela Striker 2271, Christine J. Thomas (Dartmouth College) 5777, and Philippe van Parijs (Université catholique de Louvain) 5062 (spring term only) (spring term only)

Half course (fall term; repeated spring term). Hours to be arranged.

***Philosophy 310. Research Seminars**

Catalog Number: 4465

Selim Berker 5514, Matthew Boyle 5279 (on leave 2007-08), Peter Godfrey-Smith 3338 (on leave 2007-08), Warren Goldfarb 4499 (on leave 2007-08), Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280 (on leave 2007-08), Sean D. Kelly 5515 (on leave 2007-08), Peter Koellner 4680, Christine M. Korsgaard 2994 (on leave 2007-08), Douglas Lavin 5091, Samuel Levey (Dartmouth College) 5770, Jeffrey K. McDonough 5280 (on leave 2007-08), Richard Moran 1786, Bernhard Nickel 5516, Derek Parfit (All Souls College, Oxford) 2066 (spring term only), Andrews Reath (University of California, Riverside) 5774, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Sun-Joo Shin (Yale University) 5775 (spring term only), Susanna Siegel 2441, Alison Simmons 1300 (on leave 2007-08), Gisela Striker 2271, Christine J. Thomas (Dartmouth College) 5777, and Philippe van Parijs (Université catholique de Louvain) 5062 (spring term only)

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

Douglas Lavin 5091 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

Edward J. Hall 5324 and Bernhard Nickel 5516

Half course (fall term; repeated spring term). M., 4–6.

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 333. Preparation for the Topical Examination**

Catalog Number: 1967

Selim Berker 5514, Matthew Boyle 5279 (on leave 2007-08), Peter Godfrey-Smith 3338 (on leave 2007-08), Warren Goldfarb 4499 (on leave 2007-08), Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515 (on leave 2007-08), Peter Koellner 4680, Christine M. Korsgaard 2994 (on leave 2007-08), Douglas Lavin 5091, Jeffrey K. McDonough 5280 (on leave 2007-08), Richard Moran 1786, Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Susanna Siegel 2441, Alison Simmons 1300 (on leave 2007-08), and Gisela Striker 2271

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, Matthew Boyle 5279 (on leave 2007-08), Peter Godfrey-Smith 3338 (on leave 2007-08), Warren Goldfarb 4499 (on leave 2007-08), Edward J. Hall 5324, Frances Kamm (Kennedy School) 4280, Sean D. Kelly 5515 (on leave 2007-08), Peter Koellner 4680, Christine M. Korsgaard 2994 (on leave 2007-08), Douglas Lavin 5091, Jeffrey K. McDonough 5280 (on leave 2007-08), Richard Moran 1786, Bernhard Nickel 5516, Thomas M. Scanlon, Jr. 7986, Amartya Sen 1705, Susanna Siegel 2441, Alison Simmons 1300 (on leave 2007-08), and Gisela Striker 2271



Physics

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Physics

Christopher Stubbs, Professor of Physics and of Astronomy (*Chair*)

Nima Arkani-Hamed, Professor of Physics, Associate of the Department of Physics (*on leave 2007-08*)

Howard C. Berg, Herchel Smith Professor of Physics and Professor of Molecular and Cellular Biology

George Brandenburg, Senior Research Fellow in Physics

Adam E. Cohen, Assistant Professor of Chemistry and Chemical Biology and of Physics

Eugene A. Demler, Professor of Physics

John M. Doyle, Professor of Physics

Gary J. Feldman, Frank B. Baird, Jr. Professor of Science

Melissa Franklin, Mallinckrodt Professor of Physics (*Director of Graduate Studies*)

Gerald Gabrielse, George Vasmer Leverett Professor of Physics (*on leave 2007-08*)

Peter L. Galison, Joseph Pellegrino University Professor

Howard Georgi, Harvard College Professor and Mallinckrodt Professor of Physics (*Director of Undergraduate Studies*)

Roy J. Glauber, Mallinckrodt Professor of Physics (*on leave spring term*)

Jene A. Golovchenko, Rumford Professor of Physics and Gordon McKay Professor of Applied Physics

Markus Greiner, Assistant Professor of Physics

Joao Pedro Guimaraes Da Costa, Assistant Professor of Physics

Bertrand I. Halperin, Hollis Professor of Mathematicks and Natural Philosophy

Lene V. Hau, Mallinckrodt Professor of Physics and of Applied Physics (*on leave spring term*)

Thomas C. Hayes, Lecturer on Physics

Eric J. Heller, Professor of Chemistry and Physics

Jennifer E. Hoffman, Assistant Professor of Physics

Paul Horowitz, Professor of Physics and of Electrical Engineering (*on leave 2007-08*)

John Huth, Donner Professor of Science (*on leave 2007-08*)

Arthur M. Jaffe, Landon T. Clay Professor of Mathematics and Theoretical Science

Efthimios Kaxiras, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave fall term*)

Mikhail D. Lukin, Professor of Physics

Vinothan N. Manoharan, Assistant Professor of Physics and Chemical Engineering

Charles M. Marcus, Professor of Physics

Paul C. Martin, John Hasbrouck Van Vleck Professor of Pure and Applied Physics (*on leave fall term*)

Eric Mazur, Gordon McKay Professor of Applied Physics and Professor of Physics (*on leave spring term*)

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, Dean of the School of Engineering and Applied Sciences
David R. Nelson, Arthur K. Soloman Professor of Biophysics and Professor of Physics and Applied Physics

Peter S. Pershan, Frank B. Baird, Jr. Professor of Science

Mara Prentiss, Mallinckrodt Professor of Physics

Lisa Randall, Professor of Physics (*on leave spring term*)

Subir Sachdev, Professor of Physics

Aravinthan D. T. Samuel, Associate Professor of Physics

Irwin I. Shapiro, Timken University Professor

Isaac F. Silvera, Thomas D. Cabot Professor of the Natural Sciences (*on leave fall term*)

Andrew Strominger, 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 (*on leave spring term*)

Amir Yacoby, Professor of Physics

Matias Zaldarriaga, Professor of Astronomy and of Physics

Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

Other Faculty Offering Instruction in Physics

James G. Anderson, Philip S. Weld Professor of Atmospheric Chemistry

Gerald Holton, Mallinckrodt Research Professor of Physics and Research Professor of the History of Science

Andrew J. M. Kiruluta, Assistant Professor of Radiology (*Medical School*)

Charles M. Lieber, Mark Hyman, Jr. Professor of Chemistry

Hongkun Park, Professor of Chemistry and Chemical Biology

Howard A. Stone, Vicky Joseph Professor of Engineering and Applied Mathematics

George M. Whitesides, Woodford L. and Ann A. Flowers University Professor

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

James G. Anderson and Efthimios Kaxiras

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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. This course, when taken for a letter grade, meets the Core area requirement for Science A. Students interested in Physical Sciences 1 should take the Chemistry Placement Exam.

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

Melissa Franklin, Logan S. McCarty, and Howard A. Stone

Half course (fall term). Tu., Th., 9:30–11, plus weekly discussion sections and laboratory sessions to be arranged. EXAM GROUP: 11, 12

An introduction to classical mechanics, with special emphasis on the motion of organisms in fluids, from proteins to planets. Topics covered include: kinematics, Newton's laws of motion, oscillations, elasticity, random walks, diffusion, and fluids. Examples and problems set questions will be drawn from the life sciences and medicine.



Note: This course, when taken for a letter grade, meets the Core area requirement for Science A.

Prerequisite: Physical Sciences 1 (or Chemistry 7), Mathematics 1b, or the equivalent.

Physical Sciences 3. Electromagnetism, Light, Entropy, and Information

Catalog Number: 5262

George M. Whitesides, Melissa Franklin, Masahiro Morii, and Aravinthan D. T. Samuel

Half course (spring term). Tu., Th., 9:30–11, plus weekly discussion sections and five laboratory sessions to be arranged. EXAM GROUP: 11, 12

This course will examine the two universal driving forces that guide nearly all chemical and biological phenomena: electromagnetism and entropy. Detailed case studies will examine the biological applications of electromagnetic radiation and the role of information in biological systems. Topics covered include: electric and magnetic fields and forces, light, waves, entropy, and information processing in electronic circuits and in biology.

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 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

Cumrun Vafa

Half course (fall term). Tu., Th., 11:30–1; weekly ninety-minute discussion sections. 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 Mathematics 21a or 23a or Applied Mathematics 21a. 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 Core area requirement for Science A.

Physics 11b. Electricity, Magnetism, and Waves

Catalog Number: 5472

Charles M. Marcus

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 a brief introduction to quantum physics.

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 Core area requirement for Science A.

Prerequisite: Physics 11a; Mathematics 21a or 23a.

Physics 15a. Introductory Mechanics and Relativity

Catalog Number: 1984



David J. Morin and Joao Pedro Guimaraes Da Costa

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:* This course, when taken for a letter grade, meets the Core area requirement for Science A. Laboratory sessions may be arranged.

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

Jennifer E. Hoffman and Masahiro Morii (fall term), and Subir Sachdev and Ronald L. Walsworth (spring term)

Half course (fall term; repeated spring term). 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 "zap" electronics lab in a toolbox—students work on the labs in their dorm rooms—afternoon and evening help labs are scheduled. Laboratories will be under the supervision of Thomas C. Hayes. This course, when taken for a letter grade, meets the Core area requirement for Science A.

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

Markus Greiner (fall term) and Jennifer E. Hoffman (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1:30-3, and three hours per week of conference and laboratory. 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: Laboratory: Continuation of "zap" plus additional labs. Laboratories will be under the supervision of Thomas C. Hayes. This course, when taken for a letter grade, meets the Core area requirement for Science A.

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 an introduction to Lagrangian mechanics, Noether's theorem, special relativity, collisions and scattering, rotational motion, angular momentum, torque, the moment of inertia tensor, oscillators damped and driven, gravitation, planetary motion, and an introduction to cosmology.

Note: This course, when taken for a letter grade, meets the Core area requirement for Science A. Laboratory sessions may be arranged.

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 17. Exploratory Physics Lab - (New Course)

Catalog Number: 2930 Enrollment: Limited to 18.

Amir Yacoby and Melissa Franklin

Half course (spring term). W., F., 2–6, includes one-hour weekly tutorial. EXAM GROUP: 7, 8, 9

The exploratory physics lab teaches students how to investigate physical phenomena from an experimental stand point. During the lab, students are required to make hypotheses about the underlying physics behind the phenomena and then experimentally test the validity of their hypotheses. During each experiment the students are required to identify the relevant experimental variables, suggest ways to measure them and implement these ideas in the lab. The lab is set up to enable students to follow their individual creativity and initiative in their experimental endeavor.

Note: Students explore at most three or four phenomena. Topics include mechanics, electromagnetism, buoyancy, surface tension and more. The experiments are chosen to match the student's background level in physics and math.

Prerequisite: Physics 15a or 16 and preferably concurrent with Physics 15b.

***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.

Note: 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. 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.

Note: 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. 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

Eric Mazur

Half course (fall term). M., at 3, W., 7:30–9 pm.

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.

Cross-listed Courses

[Science A-29. The Nature of Light and Matter]

Science A-39. Time

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

Peter L. Galison

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

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: 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.

Thomas C. Hayes

Half course (fall term; repeated spring term). W., F., 1:30-5. EXAM GROUP: 6, 7, 8, 9

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).

Physics 125. Widely Applied Physics

Catalog Number: 6990

John M. Doyle

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.

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 136. Physics of Medical Imaging

Catalog Number: 0182

Andrew J. M. Kiruluta (Medical School)

Half course (spring term). Tu., Th., 11:30-1. EXAM GROUP: 13, 14

Presents the physics of modern medical imaging techniques. Explores the physics of diagnostic imaging from a unified electromagnetics' viewpoint ranging from a simple mapping of radiation attenuation coefficients in X-ray, gamma radiative single photon (SPECT) and double photon (positron) emission tomography (PET), echo measurements in ultrasound, interferometric pulse echo characterization in optical coherence tomography (OCT) to resonance absorption in a nuclear magnetic resonance (NMR) induced inhomogeneously broadened RF absorber.

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 140. Introduction to Biophysics

Catalog Number: 5394

Howard C. Berg and Aravinthan D. T. Samuel

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

An introduction to the physics and biology of stochastic processes that affect the behavior of cells, biopolymers and biological motors. Elements of probability and statistics, entropic elasticity, the random walk, diffusion, sedimentation and electrophoresis. Applications to sensory physiology, cell motility, stretching and twisting of DNA and the motion of motors along biopolymers.

Note: Given in alternate years. Lectures, problem sets, discussions. May not be taken for credit by students who have taken MCB 140.

Prerequisite: Mathematics at the level of 21a, Physics 15a, b or Physics 11a, b or permission of the instructor. Some familiarity with elementary statistical mechanics helpful.

[Physics 141. The Physics of Sensory Systems in Biology]

Catalog Number: 1284

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2008–09.

Prerequisite: Physics 11a,b or 15 a,b,c required. Physics 181 recommended, but not required.

Physics 143a. Quantum Mechanics I

Catalog Number: 1050

John M. Doyle (fall term) and Eugene A. Demler (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

Lene V. Hau

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced topics in quantum mechanics, including quantum statistics, Bose-Einstein condensation, time-dependent problems, interaction of quantum systems with lasers, quantization of the radiation field, emission and absorption of radiation, collision theory, measurement theory, Bell's inequality, entanglement and quantum teleportation, and introduction to quantum



computing.

Prerequisite: Physics 143a.

Physics 145. Elementary Particle Physics

Catalog Number: 6057

Gary J. Feldman

Half course (spring term). Lecture meets M., W., (F.,) at 10; seminars and sections Tu., Th., 7:30–9 pm, 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

Ganpathy Murthy (University of Kentucky)

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.

Note: May not be taken for credit in addition to Engineering Sciences 125.

Prerequisite: Physics 15a, b or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

Physics 153. Electrodynamics

Catalog Number: 0264

Mikhail D. Lukin

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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 15 a, b, and c, or written permission of the Head Tutor; Mathematics 21a, b or equivalent.

[Physics 175. Quantum Electronics and Modern Optics]

Catalog Number: 9076

Half course (spring 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 2008–09.

Prerequisite: Physics 15b, 15c, 143a, or permission of the instructor

Physics 181. Statistical Mechanics and Thermodynamics

Catalog Number: 6346

Vinothan N. Manoharan

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

Peter S. Pershan and Ronald L. Walsworth (fall term), and Peter S. Pershan, Isaac Silvera and Robert Westervelt (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 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 computers that are used extensively in the laboratory.

Note: A substantial amount of outside reading is expected.

Prerequisite: Physics 15. Physics 143a is recommended.

Physics 195. Introduction to Solid State Physics

Catalog Number: 2978

Robert M. Westervelt

Half course (fall 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 145. Topics in Astrophysics](#)

[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. Electronic and Photonic Devices](#)

[Engineering Sciences 181. Engineering Thermodynamics](#)

[Engineering Sciences 190. Introduction to Materials Science and Engineering](#)

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., 10–11:30. EXAM GROUP: 3, 4

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). W., F., 2–3:30. EXAM GROUP: 7, 8

Our focus is the classical and quantum theory of black holes. The general Kerr-Newman solution; causal structure; Penrose diagrams; the classical laws of black hole mechanics, experimental evidence; Hawking radiation; the information paradox; de Sitter and black hole



entropy.

Note: Auditors should obtain permission of instructor.

Prerequisite: General relativity at level of Physics 210 or equivalent. Physics 253a helpful, but not required.

Physics 218. Modern Dynamical Systems

Catalog Number: 1362

Paul C. Martin

Half course (spring term). Tu., 1–2:30, F., 1:30–3. EXAM GROUP: 6, 7, 15, 16

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.

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 (fall term). M., W., F., at 10. EXAM GROUP: 3

Maxwell's equations in macroscopic media, conservation laws, Green's functions, time-dependent solutions and radiation, scattering and diffraction, and gauge invariance. Time permitting: Debye-Huckel theory, Lorentz transformations, and radiation from rapidly accelerating charges and 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.

Peter S. Pershan and Ronald Walsworth (fall term), and Peter S. Pershan, Isaac Silvera and Robert Westervelt (spring term)

Half course (fall term; repeated spring term). Tu., Th., 1–5. EXAM GROUP: 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

Half course (spring term). Hours to be arranged.

An introduction to the phenomena of elementary particle physics. Topics include weak interactions, QCD deep inelastic scattering and nucleon structure functions, heavy quark production and decay and QED.

Note: Expected to be given in 2008–09.

Prerequisite: Some familiarity with relativistic quantum mechanics.



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

Arthur M. Jaffe

Half course (fall term). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

Introduction to relativistic quantum mechanics and quantum field theory. Canonical quantization, scalar and spinor fields, scattering theory, Feynman diagrams, and renormalization.

Prerequisite: Physics 251a,b or equivalents.

Physics 253b. Quantum Field Theory II

Catalog Number: 5250

Arthur M. Jaffe

Half course (spring term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

A continuation of Physics 253a. Vector fields, gauge invariance, functional integration, quantum electrodynamics, spontaneous symmetry breakdown, and an introduction to the standard model.

Prerequisite: Physics 253a.

Physics 253c. Quantum Field Theory III

Catalog Number: 4000

Howard Georgi

Half course (spring 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

Subir Sachdev

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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: Expected to be given in 2008–09. 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

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 2008–09.

Prerequisite: Physics 262 or equivalent.

Physics 269r. Topics in Statistical Physics and Quantitative Biology

Catalog Number: 6214

David R. Nelson

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, single molecule biophysics, motor proteins, gene regulation and the statistical dynamics of mutations, selection and genetic drift.

Prerequisite: Physics 262, Applied Physics 284 or equivalent.

[Physics 270. Mesoscopic Physics and Quantum Information Processing]

Catalog Number: 0788

Half course (spring term). Hours to be arranged.

Introduces the subject of quantum effects in electronic systems, including conductance fluctuations, localization, electron interference, and many-body effects such as the Kondo effect. This year, we will also focus on solid state implementations of quantum information processing systems.

Note: Expected to be given in 2008–09. The reading list focuses primarily on the experimental literature, augmented by recent texts and reviews. The format of the course is a combination of lectures and journal-club-style presentations. A term paper on a topic within mesoscopic condensed matter physics or quantum information will allow for deeper exploration. Given in alternate years.



Prerequisite: Basic familiarity with quantum mechanics and solid state physics at the level of undergraduate courses.

[Physics 271 (formerly Physics 287). Topics in the Physics of Quantum Information]

Catalog Number: 7647

Mikhail D. Lukin

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 introduced.

The format is a combination of lectures and class presentations.

Note: Expected to be given in 2008–09.

Prerequisite: Quantum mechanics at the level of introductory graduate courses.

[Physics 283b. Beyond the Standard Model]

Catalog Number: 7153

Nima Arkani-Hamed

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, and connections between particle physics and cosmology.

Note: Expected to be given in 2008–09.

[Physics 284. Strongly Correlated Systems in Atomic and Condensed Matter Physics]

Catalog Number: 4673

Eugene A. Demler and Mikhail D. Lukin

Half course (fall term). Hours to be arranged.

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. Potential application to quantum information and metrology. Lectures and seminar-like class presentations.

Note: Expected to be given in 2008–09.

Prerequisite: Graduate quantum mechanics or permission of instructors.

[Physics 285a. Modern Atomic and Optical Physics I]

Catalog Number: 8204

Mikhail D. Lukin

Half course (fall term). Hours to be arranged.

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 2008–09.

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

Andrew Strominger

Half course (fall term). Hours to be arranged.

Introduction to the perturbative formulation of string theories and eleven-dimensional supergravity. Basic examples of compactifications and solitonic solutions and their role in strong-weak coupling dualities in string theory.

Note: Expected to be given in 2008–09.

Prerequisite: Physics 253a, b or equivalent.

Physics 287br. Topics in String Theory

Catalog Number: 4555

Andrew Strominger

Half course (fall term). W., F., 2:30–4. EXAM GROUP: 7, 8

A selection of topics from current areas of research on string theory.

Prerequisite: Physics 287a.

[Physics 289r. Eigenvalues of Random Matrices]

Catalog Number: 6400

Arthur M. Jaffe

Half course (spring term). Hours to be arranged.

We study eigenvalues of random matrices from several points of view, including how supersymmetry helps in their understanding. These problems relate to different fields of physics, including random systems and quantum gravity.

Note: Expected to be given in 2008–09.

Prerequisite: Knowledge of quantum theory and of analysis. Knowledge of field theory will be helpful but is not essential.

Cross-listed Courses

Applied Mathematics 201. Physical Mathematics I

Applied Mathematics 202. Physical Mathematics II

[Applied Mathematics 203 (formerly Applied Mathematics 203r). Nonlinear Dynamics and Chaos]

Applied Mathematics 205. Practical Scientific Computing



[**Applied Physics 216. Modern Optics and Quantum Electronics**]

[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 (on leave 2007-08)

***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 (on leave 2007-08)

***Physics 307a,307b. Atomic/Bio-physics, Quantum Optics**

Catalog Number: 7534,3277

Lene V. Hau 2151 (on leave spring term)

***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 Optical Physics**

Catalog Number: 7387,8871

Eric J. Heller 1074

***Physics 317a,317b. Topics in Biophysics**

Catalog Number: 8345,0990

Xiaowei Zhuang 3991

***Physics 319a,319b. Topics in Experimental High Energy Physics**

Catalog Number: 4520,4521

Melissa Franklin 2500

***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

***Physics 327a,327b. Topics in Condensed Matter Physics**

Catalog Number: 5969,6524

David R. Nelson 5066

***Physics 329a,329b. Condensed Matter and Statistical Theory**

Catalog Number: 6198,6373

Bertrand I. Halperin 4755

***Physics 333a,333b. Experimental Atomic Physics**

Catalog Number: 2902,2904

Mara Prentiss 2741

***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



***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

***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**

Catalog Number: 3721,5287

Paul C. Martin 2103 (on leave fall term)

***Physics 355a,355b. Theory of Elementary Particles**

Catalog Number: 1213,7654

Roy J. Glauber 2113 (on leave spring term)

***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

***Physics 363a,363b. Topics in Condensed Matter Theory**

Catalog Number: 2957,2958

Efthimios Kaxiras 3050 (on leave fall term)

***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 (on leave 2007-08)

***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

***Physics 377a,377b. Theoretical High Energy Physics**

Catalog Number: 1436,2007

Tai T. Wu 1051 (on leave spring term)

***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 (on leave fall term)

***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 (on leave spring term)

***Physics 389a,389b. Topics in Field Theory: The Standard Model and Beyond**

Catalog Number: 4393,2571

Lisa Randall 4255 (on leave spring term)



***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 395a,395b. Topics in Elementary Particle Theory**

Catalog Number: 9844,9408

Nima Arkani-Hamed 3886 (on leave 2007-08)

***Physics 397a,397b. Experimental Condensed Matter Physics**

Catalog Number: 7355,7356

Jene A. Golovchenko 1986

Political Economy and Government

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Committee on Higher Degrees in Political Economy and Government

Torben Iversen, Harold Hitchings Burbank Professor of Political Economy (*Chair*)

Christopher N. Avery, Roy E. Larsen Professor of Public Policy and Management (*Kennedy School*) (*on leave spring term*)

Robert H. Bates, Eaton Professor of the Science of Government and Professor of African and African American Studies

Daniel P. Carpenter, Allie S. Freed Professor of Government (*on leave 2007-08*)

Suzanne J. Cooper, Senior Lecturer on Public Policy (*Kennedy School*)

Jeffrey Frieden, Stanfield Professor of International Peace

Edward L. Glaeser, Fred and Eleanor Glimp Professor of Economics

Elhanan Helpman, Galen L. Stone Professor of International Trade (*on leave spring term*)

Michael J. Hiscox, Professor of Government

William W. Hogan, Raymond Plank Professor of Global Energy Policy (*Kennedy School*)

David I. Laibson, Robert I. Goldman Professor of Economics, Harvard College Professor

Nolan H. Miller, Associate Professor of Public Policy (*Kennedy School*)

Joseph P. Newhouse, John D. MacArthur Professor of Health Policy and Management (*Kennedy School, Public Health*) and Professor of Health Care Policy (*Medical School*)

Dwight H. Perkins, Harold Hitchings Burbank Research 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*)
Kenneth A. Shepsle, George D. Markham Professor of Government
Beth A. Simmons, Clarence Dillon Professor of International Affairs
Robert N. Stavins, Albert Pratt Professor of Business and Government (*Kennedy School*)
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 (*on leave 2007-08*)
Richard J. Zeckhauser, Frank Plimpton Ramsey 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.ksg.harvard.edu/ksgdoctoral/peg. 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.ksg.harvard.edu/ksgdoctoral/peg.

Psychology



AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Psychology

Stephen M. Kosslyn, John Lindsley Professor of Psychology (*Chair*)
Mahzarin R. Banaji, Richard Clarke Cabot Professor of Social Ethics (*Head Tutor*) (*on leave 2007-08*)
Tal D. Ben-Shahar, Lecturer on Psychology (*spring term only*)
Randy L. Buckner, Professor of Psychology
Alfonso Caramazza, Daniel and Amy Starch Professor of Psychology
Susan E. Carey, Henry A. Morss, Jr. and Elisabeth W. Morss Professor of Psychology (*Director of Graduate Studies*)
Patrick Cavanagh, Professor of Psychology (*on leave 2007-08*)
David DeSteno, Visiting Associate Professor of Psychology (*Northeastern University*) (*fall term only*)
Erin Driver-Linn, Lecturer on Psychology (*spring term only*)
L. Dodge Fernald, Lecturer on Psychology
Daniel T. Gilbert, Harvard College Professor and Professor of Psychology
Joshua D. Greene, Assistant Professor of Psychology
J. Richard Hackman, Edgar Pierce Professor of Social and Organizational Psychology
Marc D. Hauser, Professor of Psychology
Andrea Heberlein, Lecturer on Psychology, Research Associate (Other Fac)
Christine Hooker, Assistant Professor of Psychology
Jill M. Hooley, Professor of Psychology
Ellen J. Langer, Professor of Psychology
Peggy Li, Lecturer on Psychology, Research Associate in Psychology (*fall term only*)
Richard J. McNally, Professor of Psychology
Wendy Mendes, Assistant Professor of Psychology
Jason P. Mitchell, Assistant Professor of Psychology
Ken Nakayama, Edgar Pierce Professor of Psychology (*Acting Head Tutor*)
Matthew K. Nock, John L. Loeb Associate Professor of the Social Sciences
Irene Pepperberg, Lecturer on Psychology (*spring term only*)
Steven Pinker, Johnstone Family Professor of Psychology, Harvard College Professor
Diego Pizzagalli, John and Ruth Hazel Associate Professor of the Social Sciences (*on leave 2007-08*)
Daniel L. Schacter, William R. Kenan, Jr. Professor of Psychology
James Sidanius, Professor of Psychology and of African and African American Studies (*on leave 2007-08*)
Jesse Snedeker, John L. Loeb Associate Professor of the Social Sciences (*on leave fall term*)
Elizabeth S. Spelke, Marshall L. Berkman Professor of Psychology
Daniel M. Wegner, Professor of Psychology (*on leave spring term*)
Mariann Weierich, Lecturer on Psychology

Other Faculty Offering Instruction in the Department of Psychology



Max H. Bazerman, Jesse Isidor Straus Professor of Business Administration (*Business School*)

Marla D. Eby, Assistant Professor of Psychology (*Medical School*)

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*)

Gene M. Heyman, Lecturer in Psychiatry (*Medical School*)

Scott E. Lukas, Professor of Psychiatry (*Medical School*)

William P. Milberg, Associate Professor of Psychiatry (*Medical School*)

Mark Tramo, Assistant Professor of Neurology (*Medical School*)

Roberto Mangabeira Unger, Roscoe Pound Professor of Law (*Law School*)

Jeremy M. Wolfe, Professor of Ophthalmology (*Medical School*)

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 1. Introduction to Psychology

Catalog Number: 0854

Daniel T. Gilbert (spring term) and Jason P. Mitchell (fall term)

Half course (fall term; repeated spring term). Fall: M., W., 1–2:30, plus a one-hour section to be arranged. Spring: M., W., 1–2:30, plus a one-hour section to be arranged. . EXAM GROUP: 6, 7
Surveys the scientific study of human psychology. Introduces students to topics such as perception, consciousness, development, cognition, emotion, motivation, psychopathology, decision making, and social behavior.

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.

Prerequisite: Psychology 1 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.

Prerequisite: Psychology 1 or equivalent.



***Psychology 16. Developmental Psychology: Psychology of Early Childhood**

Catalog Number: 1483

Paul Lansley Harris

Half course (fall term). T., Th. 10-11:30 and a weekly section to be arranged. 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: Offered jointly with the Graduate School of Education as H-250.

Prerequisite: Psychology 1 or equivalent.

Psychology 18. Abnormal Psychology

Catalog Number: 8560

Christine Hooker

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.

Prerequisite: Psychology 1 or equivalent.

***Psychology 910r. Supervised Research**

Catalog Number: 1472

Ken Nakayama 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 credit.

Note: Apply for admission through the Psychology Undergraduate Office on or before Study Cards are due.

***Psychology 950. Psychology Live!**

Catalog Number: 5195

Andrea Heberlein and members of the Department

Half course (fall term). M., 4–6:30. EXAM GROUP: 9

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: Psychology 1.



***Psychology 971. Contemporary Issues in Psychology: Intensive Cross-level Analyses**

Catalog Number: 3498

Ken Nakayama 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. Examines topics from a variety of perspectives; reads primary sources in the field; develops 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: Students planning to take this course before formally declaring Psychology as a concentration must take the first meeting or contact the Psychology Undergraduate Office before Study Cards are due for section assignment.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 975. Contemporary Issues in Psychology: Intensive Cross-level Analyses for Social and Cognitive Neuroscience**

Catalog Number: 9063

Ken Nakayama 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. 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: Students planning to take this course before formally declaring Psychology as a concentration must attend the first meeting or contact the Psychology Undergraduate Office before Study Cards are due for section assignment.

Prerequisite: Psychology 1 or concurrent enrollment.

***Psychology 980h. Development of Social Cognition - (New Course)**

Catalog Number: 0449

Ken Nakayama and members of the Department

Half course (fall term). Hours to be arranged.

This course explores the development of human social cognition, with a specific focus on the origins of social categories and intergroup bias. Topics include perceptions of race, gender, language, and fairness/morality discussed in a developmental and cross-cultural framework. We will explore the building blocks and cultural universals of social cognition, the ways in which early social preferences relate to biases in adults, and the malleability of attitudes both early on and later in development.

[*Psychology 980II. Developmental Psychopathology]

Catalog Number: 2775

Mahzarin R. Banaji and members of the Department

Half course (fall term). Hours to be arranged.

This course presents an overview of mental disorders in childhood and adolescence. Topics include internalizing problems (anxiety, depression, suicide, and somatic disorders), externalizing problems (conduct disorder and ADHD), and autism. Theoretical perspectives,



diagnostic criteria, etiology, treatment, and risk and protective factors are examined.

Note: Expected to be given in 2008–09. Preference will be given to those who have completed Psychology 18.

***Psychology 980mm. Creativity: Madmen, Geniuses, and Harvard Students**

Catalog Number: 2829

Ken Nakayama and members of the Department

Half course (fall term). M., 5:30–7:30 pm. EXAM GROUP: 9

This course will address the developmental, neurobiological, phenomenological, and social aspects of creativity, including the interface between creativity and psychopathology. Empirical literature and case studies of famous artists and scientists enhance our understanding of creativity.

***Psychology 980v. The Insanity Defense**

Catalog Number: 6942

Ken Nakayama and members of the Department

Half course (spring term). Tu., 2:30–4:30. EXAM GROUP: 16, 17, 18

Explores, through case materials and empirical research, the insanity defense in the legal system and its impact on psychology, law, and society. Topics include history of the defense; the relation among psychopathology, insanity, and diminished capacity; effects of different standards for determining insanity; arguments for its retention, abolition, and revision; media and other responses; controversies surrounding pre- and post-conviction commitment; and the roles of psychologists and lawyers in defining, implementing, and questioning the defense.

***Psychology 985. Junior Tutorial: Honors Thesis Preparation**

Catalog Number: 2343

Ken Nakayama and members of the Department

Half course (fall term; repeated spring term). Fall: Hours to be arranged. Spring: W., at 4.

Supervised reading and research normally resulting in an honors thesis prospectus. Supplemental group meetings to discuss topic and adviser selection, methodology, prospectus writing, and the prospectus meeting. Admission to course via application (available in Psychology Undergraduate Office). Graded SAT/UNS. Full prospectus or term paper required.

Note: Normally limited to junior psychology concentrators.

Prerequisite: Advanced methods course or concurrent enrollment.

Senior Tutorial

***Psychology 990. Senior Tutorial: Honors Thesis in Psychology**

Catalog Number: 3553

Ken Nakayama and members of the Department

Full course. Hours to be arranged.

Individual supervised thesis research supplemented with occasional group meetings, Thursdays at 4, 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.

Prerequisite: Advanced methods course.

***Psychology 992. Senior Tutorial: Honors Thesis (Mind/Brain/Behavior)**

Catalog Number: 4990

Ken Nakayama and members of the Department

Full course. Hours to be arranged. .

Supervised research leading to the submission of the senior honors thesis. Individual work with thesis adviser is supplemented by participation in Mind/Brain/Behavior Interdisciplinary Research Workshop as well as by optional but highly recommended occasional group meetings Thursdays at 4. Graded SAT/UNSAT. Prospectus meeting required for fall term credit; paper also required for students who divide course at mid-year. Submission of thesis required for full-year credit.

Note: Required of and limited to seniors in the MBB tracks in psychology, who will take this tutorial in lieu of Psychology 990.

Prerequisite: An advanced methods course.

***Psychology 993. Senior Tutorial: Honors Thesis (Social and Cognitive Neuroscience)**

Catalog Number: 5567 Enrollment: Required of and limited to seniors in the Life Science track (Social and Cognitive Neuroscience) in psychology, who will take this tutorial in lieu of Psychology 990.

Ken Nakayama and members of the Department.

Full course. Hours to be arranged.

Individual supervised research supplemented with occasional group meetings, Thursdays at 4, 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.

***Psychology 995. Senior Seminar: General Psychology**

Catalog Number: 5201 Enrollment: Limited to 12.

L. Dodge Fernald and Erin Driver-Linn (spring term)

Half course (fall term; repeated spring term). Fall: M., 1–3 (Fernald); Spring: M., 1–3 (Fernald), or Th., 1–3 (Driver-Linn). EXAM GROUP: Spring: 6, 7

A capstone course aimed at an integrated review of the field through seminar discussions, oral reports, field experience, practitioner interviews, and independent research projects. Focus is upon the perspectives and prescriptions in contemporary psychology.

Note: Designed for senior concentrators not engaged in an honors thesis.

Cross-listed Courses

***Freshman Seminar 49n. Measurements of the Mind: The Creation and Critique of the Psychological Test**

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 (formerly Biological Sciences 80). Neurobiology of Behavior

***Mind, Brain, and Behavior 92 (formerly Psychology 987d). Conscious Experience: Image, Space, and Self - (New Course)**

***Mind, Brain, and Behavior 93 (formerly Psychology 987f). The Biology of Conscious States: Waking, Sleeping, and Dreaming - (New Course)**

***Mind, Brain, and Behavior 94 (formerly Psychology 987g). Theories of Violence - (New Course)**

***Mind, Brain, and Behavior 95 (formerly Psychology 987h). Drug Use, Behavior, and Choice - (New Course)**

***Mind, Brain, and Behavior 96 (formerly Psychology 987i). The Science of Happiness - (New Course)**

***Mind, Brain, and Behavior 98 (formerly *Mind, Brain, and Behavior 91). Music and the Brain - (New Course)**

OEB 53 (formerly Biological Sciences 53). Evolutionary Biology

[Science B-44. Vision and Brain]

Science B-60. Origins of Knowledge

Science B-62. The Human Mind

Social Analysis 43. Psychological Trauma

For Undergraduates and Graduates

[Psychology 1003. Psychology of Sport]

Catalog Number: 0254

Amy L. Baltzell

Half course (spring term). Hours to be arranged.

Introduction to the field of sport psychology. An overview of theory and practice related to contemporary issues in the field, including personality and performance, motivation, attention control, leadership styles, stress/arousal/anxiety, athletic counseling, performance enhancement techniques and positive psychology and sport performance.

Note: Expected to be given in 2008–09.

Prerequisite: PSY 1, Introductory Psychology, or permission of instructor.

***Psychology 1150. Perception - (New Course)**

Catalog Number: 1199

Jeremy M. Wolfe (Medical School)

Half course (fall term). Tu., Th., 2–3:30. EXAM GROUP: 16, 17

Everything we know about the world comes to us through our senses. How is energy in the environment transduced into our sensations? How do those sensations get interpreted into our perceptions of the world and of our relationship to the world? Do limits on perception impose limits on our mental life? Course surveys vision, hearing, taste, smell, touch, and vestibular senses. Greatest emphasis on vision. Discusses behavioral and biological data with more emphasis on behavior.

Prerequisite: Psychology 1; and either Psychology 13 or MCB 80.



***Psychology 1151. Cognitive Evolution: Theory and Practice**

Catalog Number: 8617 Enrollment: Limited to 20.

Marc D. Hauser

Half course (fall term). Tu., 5:30–7:30 pm and 10–12 hours of lab work per week. EXAM GROUP: 18

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.

***Psychology 1152r. Cognitive Evolution Lab**

Catalog Number: 1805 Enrollment: Limited to 20.

Marc D. Hauser

Half course (spring term). W., 10, plus 10-12 hours of lab work per week. EXAM GROUP: 3

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 1201. Your Brain on Drugs: Psychopharmacology

Catalog Number: 6717

Scott E. Lukas (Medical School)

Half course (spring term). Tu., Th., 8:30–10. EXAM GROUP: 10, 11

An introduction to how drugs affect mood, sensation, consciousness, and other psychological and behavioral functions in both healthy and disease states. Introduces concepts in neuroscience and pharmacology to understand how drugs are used to treat drug abuse, psychiatric disorders and why individuals use recreational drugs. Covers all CNS drugs, including antidepressants, antipsychotics, alcohol, and both licit and illicit drugs of abuse. Debates controversial topics such as research with psychiatric populations, diagnosing ADHD, teenage suicide, marijuana legalization, and needle exchange programs.

Prerequisite: Psychology 1 and either Psychology 13, Psychology 18, or MCB 80.

[Psychology 1301. Cognitive Neuroscience]

Catalog Number: 5607

Andrea Heberlein

Half course (fall term). Hours to be arranged.

How do our brains give rise to our minds? Specifically, how are mental processes related to neural activity? This course will explore these questions, as well as the methods by which cognitive neuroscience seeks to answer them. We will focus on processes within perception, attention, memory, language, emotion, social cognition, and development, and methods including neuroimaging, neuropsychology, and intra- and extra-cranial electrophysiology.



Note: Expected to be given in 2008–09.

Prerequisite: An introductory psychology course; and Psychology 13 or MCB 80.

***Psychology 1302. Psychology of Language**

Catalog Number: 0295

Peggy Li

Half course (fall term). Hours to be arranged.

Explores psychological processes underlying language. Topics include: origins of language, nature and structure of languages, language acquisition in children, and the neurological and physiological processes involved in language expression and comprehension.

Prerequisite: A foundation course in a science.

***Psychology 1304. Cognitive Neuropsychology**

Catalog Number: 2419

Alfonso Caramazza

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

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.

Prerequisite: Psychology 1 and Psychology 13 or MCB 80.

[*Psychology 1306. Language and Thought]

Catalog Number: 6358 Enrollment: Not open to students who have taken PSY 980ii

Peggy Li

Half course (spring term). Hours to be arranged.

What is the relationship between language and thought? This question has fascinated many, and continues to be a point of debate across multiple disciplines (anthropology, philosophy, linguistics, and psychology). Recently there is a burgeoning of scientific research trying to explicate and demonstrate how language influences thought. This course surveys the research and asks how recent and future experiments have and could shed light upon the matter.

Note: Expected to be given in 2008–09.

Prerequisite: PSY 1 and at least one of the following: PSY 13, PSY 15, and PSY 16.

***Psychology 1351. Animal Cognition - (New Course)**

Catalog Number: 1585

Irene Pepperberg

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course is an introduction to the study of animal cognition and thought processes. Topics include categorization, memory, number concepts, insight, and language-like behavior. The course requires reading and critiquing original journal articles.

Prerequisite: Introductory psychology, animal behavior recommended.

***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: Psychology 1 or MCB 80, or permission of instructor. For graduate students, permission of instructor.

[*Psychology 1353. Avian Cognition]

Catalog Number: 0195

Irene Pepperberg

Half course (spring term). Hours to be arranged.

Can parrots—creatures with brains the size of a shelled walnut—understand complex concepts and mean what they say? For thirty years, grey parrots have been subjects in experiments that answer the question in the affirmative. In many, but not all, instances their capacities match those of nonhuman primates and young children. Students will read and critique the material (book, journal articles) in a seminar format.

Note: Expected to be given in 2008–09.

Prerequisite: Animal Cognition and Psychology 1 recommended but not required.

***Psychology 1354. Classic Papers on Memory (and the Ones that Got Away!) - (New Course)**

Catalog Number: 5684

Randy L. Buckner

Half course (spring term). M., 4–6. EXAM GROUP: 9

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?

Prerequisite: For undergraduates: PSY 1 or MCB 80 required, or permission of instructor. For graduate students, permission of instructor.

[*Psychology 1356r. Laboratory in Language Research]

Catalog Number: 5158

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Students learn to design and carry out experiments on language and cognition. They also learn how to analyze, interpret, and report experimental results.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1 and Psychology 13 or Linguistics 88.

***Psychology 1359. Words, Actions, and Objects - (New Course)**

Catalog Number: 4851



Alfonso Caramazza

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

Prerequisite: Psychology 1 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: Psychology 1 plus either Psychology 13, 15, 16, 18, Science B29 or MCB80.

[*Psychology 1451. Laboratory in Visual Perception]

Catalog Number: 1420

Patrick Cavanagh

Half course (spring term). Hours to be arranged.

An introduction to issues and experiments in visual perception. Students design and carry out experiments in the perception of shape, shadow, color, and motion, and the effects of attention on perception. Students discuss original articles in the area and prepare reports on their own experiments. Basic computer techniques for experimental control will be presented.

Note: Expected to be given in 2008–09.

Prerequisite: Science B-44 or permission of instructor.

[*Psychology 1500. Psychology of Teams and Leadership]

Catalog Number: 5948 Enrollment: Limited to 100.

Half course (spring term). Hours to be arranged.

Combines recent theoretical developments and empirical findings with in-class experience to provide the knowledge and skills required to get the most out of teams as members and managers. Students apply theory to the management of team processes through group exercises and discussion of case studies throughout the term. Topics include structuring teams, evaluating team performance, group communication, collective decision-making, team creativity, team problem-solving, conflict management, and team leadership. Group project required.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1 or permission of instructor.

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: Psychology 1 and at least one additional course with substantial psychological content.

Psychology 1504. Positive Psychology

Catalog Number: 8646

Tal D. Ben-Shahar

Half course (spring term). Tu., Th., 11:30–1 and a one-hour section to be arranged. EXAM GROUP: 13, 14

The course focuses on the psychological aspects of a fulfilling and flourishing life. Topics include happiness, self-esteem, empathy, friendship, love, achievement, creativity, music, spirituality, and humor.

Note: This course cannot count for Psychology concentration or secondary field credit.

Psychology 1505. Social Cognition

Catalog Number: 3334

Ellen J. Langer

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

Prerequisite: Psychology 1 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 2008–09.

Prerequisite: Psychology 1 plus either Psychology 13, Psychology 15 or MCB 80.

[*Psychology 1550. Leadership Research and Theory]

Catalog Number: 0581

Half course (fall term). Hours to be arranged.

This seminar covers the major psychological theories and research on leadership with particular focus on contributions from social and organizational psychology. Our readings cover a wide range of leadership topics, with a special focus on the integration of findings from psychology



with findings from other disciplines.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1.

[*Psychology 1551. Mind Perception]

Catalog Number: 2481 Enrollment: Limited to 20.

Daniel M. Wegner

Half course (spring term). W., 1–3:30. EXAM GROUP: 6, 7, 8

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.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1 plus any one of Psychology 13, 15, 16, 18, or MCB-80

[*Psychology 1553. Positive Intergroup Relations]

Catalog Number: 0585

Half course (fall term). Hours to be arranged.

In this seminar we explore the major theoretical and empirical contributions that psychology has made to understanding, and fostering, harmonious relations across social groups. We focus on cross-ethnic and cross-national relations, but also consider research and theory on positive intergroup relations across religious, political, linguistic, economic, gender, and sexual orientation groups.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1.

[*Psychology 1557. Self and Identity: Seminar]

Catalog Number: 0491

Erin Driver-Linn

Half course (fall term). Hours to be arranged.

Examines what William James called "the most puzzling puzzle with which psychology has to deal." Emphasizes social psychological research, draws on philosophy and other areas of psychology to address questions of agency, reflexivity (being the object of one's own attention), stability/fluidity of the self-concept, the influence of relationships and cultures on development of the self, and academic identity. Students work on a single, original paper throughout the semester, peer-reviewing and receiving feedback on multiple drafts.

Note: Expected to be given in 2008–09.

Prerequisite: PSY 1 and at least one of the following PSY 13, PSY 15, PSY 16, PSY 18, or permission of the instructor.

[*Psychology 1572. Stress and Health: Concentration Seminar]

Catalog Number: 0059 Enrollment: Limited to 15.

Wendy Mendes

Half course (spring 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 2008–09. Limited to undergraduates.

Prerequisite: Psychology 1; plus one from Psychology 13, Psychology 15, Psychology 16, Psychology 18, or MCB-80.

[*Psychology 1602. Developmental Disorders as a Window on Cognitive Development]

Catalog Number: 0475

Jesse Snedeker

Half course (fall term). Hours to be arranged.

Explores developmental disorders, such as autism and ADHD, at the cognitive level, with occasional forays into neuroscience and education. Can developmental disorders help us understand the architecture of the human mind? Can they constrain our theories of language acquisition and cognitive development? Does autism reflect disruption of one cognitive system or many? How can research at the genetic or neural level constrain cognitive characterizations of developmental disorders?

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1 plus Psychology 13, or Psychology 16, or equivalent.

[Psychology 1603. Adolescent Development]

Catalog Number: 6916

Half course (fall term). Hours to be arranged.

Adolescence is a fascinating time of life because of the vast physical and psychological changes that occur. Examines the biological changes that accompany puberty, cognitive development, identity formation, parent and peer relationships, gender, sexuality, cultural context, and ethnicity. Problems of adolescence, such as substance abuse, eating disorders, and risky behavior will be considered as well.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1, Psychology 16, or permission of instructor.

[Psychology 1606 (formerly Psychology 1671). Language Development]

Catalog Number: 4632

Jesse Snedeker

Half course (spring term). Hours to be arranged.

Explores the central theoretical issues in language acquisition: To what degree is language development shaped by the structure of the human mind? Are the forces that shape it specific to language or do they stem from more general features of human cognition? Topics include: infant speech perception, how children learn words, relations between language and thought, the acquisition of syntax (grammar) and pragmatics, and language development in special populations.

Note: Expected to be given in 2008–09.

Prerequisite: For Psychology concentrators: Psychology 13 or Psychology 16. For Linguistics concentrators, Linguistics 110 or equivalent.

Psychology 1607. Cognitive Development, Education, and the Brain

Catalog Number: 9014



Kurt W. Fischer (School of Education) (spring term) and Howard E. Gardner (School of Education) (fall term) and David H. Rose (School of Education)
Full course (indivisible). Fall: M., W., 10–12; Spring: M., W., 12–2. EXAM GROUP: Fall: 3, 4; Spring: 5, 6

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 1651. Language Development: Undergraduate Laboratory Course] - (New Course)

Catalog Number: 6484

Jesse Snedeker (on leave fall term)

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: Expected to be given in 2008–09. For undergraduates seeking research experience, especially in preparation for undergraduate theses.

***Psychology 1652r. Laboratory in Early Cognitive Development**

Catalog Number: 9913

Elizabeth S. Spelke

Half course (fall term; repeated spring term). Hours to be arranged.

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 1655. 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 1659. Social and Emotional Development: Seminar]

Catalog Number: 6880 Enrollment: Limited to 15.

Half course (spring term). Hours to be arranged.

This seminar will explore child development research, with an emphasis on social and emotional development from infancy through adolescence. Topics will include temperament, attachment,



the development of social skills, risk and resilience, family and peer relationships, and other aspects of social and emotional development.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1 and Psychology 16.

Psychology 1702. Emotion

Catalog Number: 7521

Andrea Heberlein

Half course (spring term). M., 4–6:30. EXAM GROUP: 9

What is an emotion? What does it mean to have one? What causes emotions? How do you know when you are sad (or angry, or proud, or embarrassed)? How do you know when someone else is? Are emotions functional, and if so, how? How can emotions be dysfunctional? How, and when, do we control our emotions? What neural structures underlie which components of emotion, and how does this help us understand how emotional processes are organized? This course will focus on scientific, experimentally-tractable attempts to answer these questions, and others related to them, via discussion of both textbook and primary source readings.

Prerequisite: An introductory psychology course plus PSY 15.

***Psychology 1756. Personality Psychology and Organizations: Seminar**

Catalog Number: 7835

Tal D. Ben-Shahar

Half course (spring term). Tu., 3–5.

How can the study of the person inform our understanding of the workplace? Course examines personality theories as they relate to leaderships, motivation, performance, and well-being in the context of an organization.

Prerequisite: Psychology 1 and Psychology 15.

[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 2008–09.

Prerequisite: Psychology 1 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. EXAM GROUP: 6, 7

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.

Prerequisite: Psychology 18 and at least one other course in psychopathology strictly required.

[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 2008–09.

Prerequisite: Psychology 1 and Psychology 18.

[*Psychology 1855. Mood Disorders]

Catalog Number: 6867

Diego Pizzagalli

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2008–09.

Prerequisite: Psychology 1 and Psychology 18.

***Psychology 1861. Developmental Psychopathology**

Catalog Number: 1325 Enrollment: Limited to 20.

Matthew K. Nock

Half course (spring term). M., 1–3. EXAM GROUP: 6, 7

An overview of mental disorders in childhood and adolescence. Topics include internalizing problems (anxiety, depression, suicide, and somatic disorders), externalizing problems (conduct disorder and ADHD), and autism. Theoretical perspectives, diagnostic criteria, etiology, treatment, and risk and protective factors are examined.

Prerequisite: Psychology 1 and Psychology 18.

Psychology 1900. Introduction to Statistics for the Behavioral Sciences

Catalog Number: 4016

David DeSteno (Northeastern University)

Half course (fall term). T., Th. 10-11:30 plus a one-hour section to be arranged. EXAM GROUP: 12, 13

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: Open to freshmen with permission of instructor.



Psychology 1901. Methods of Behavioral Research

Catalog Number: 3811

Wendy Mendes (*fall term*) and Mariann Weierich (*spring term*)

Half course (fall term; repeated spring term). Tu., Th., 10–11:30 and a one-hour section meeting to be arranged. EXAM GROUP: 12, 13

Theoretical and practical introduction to planning, conducting, reporting, and evaluating research in the social and behavioral sciences. Topics include experimental design, reliability and validity, 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

Karen Gold

Half course (fall term). Lecture: M., W., 1–2:30; Lab: Th., 10-11:30. EXAM GROUP: 6, 7

This course is designed to provide the student with a strong working knowledge of contemporary repeated analysis of variance, post-hoc comparisons and planned contrasts, simple correlation and regression analysis, part and partial correlation analysis, regression diagnostics, introduction to multiple correlations and regression analysis, introduction to matrix algebra, multiple regression and categorical independent variables.

Prerequisite: Psychology 1900.

***Psychology 1952. Multivariate Analysis in Psychology**

Catalog Number: 6191

Karen Gold

Half course (spring term). Lecture: M., W., 1–2:30; Lab: Th., 1–2:30. 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-34. Medicine and Society in America**]

[**Historical Study A-87. Madness and Medicine: Themes in the History of Psychiatry - (New Course)**]

[**History of Science 176. Evolution and Human Nature: Conference Course**]

[**History of Science 177. Stories Under the Skin: The Mind-Body Connection in Modern Medicine**]

[**Linguistics 130. Psycholinguistics**]

[**Linguistics 132. Psychosemantics - (New Course)**]

[***Mind, Brain, and Behavior 152. Consumable Science - (New Course)**]

[**Neurobiology 130 (formerly Psychology 1205). Interventions for 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

Stephen M. Kosslyn

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

Ken Nakayama and members of the Department

Full course (spring term). Tu., Th., 2–4. EXAM GROUP: 16, 17

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 only.

Jill M. Hooley

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 psychopathology and clinical.

***Psychology 2050. History of Psychology: Seminar**

Catalog Number: 3378 Enrollment: Open to undergraduates by permission.

Richard J. McNally

Half course (spring term). M., 4–6. EXAM GROUP: 9

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 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). Hours to be arranged.

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: Expected to be given in 2008–09. Offered jointly with the Graduate School of Education as H137.

***Psychology 2170. Developmental Proseminar**

Catalog Number: 6883

Elizabeth S. Spelke and members of the Department

Half course (fall term). Tu., 1–4.

Proseminar in conceptual development and language acquisition.

Note: Open to all graduate students in the department; required of all first-year students in the Psychology Department Developmental Program. Open to others by permission of the instructor.

[*Psychology 2190. Topics in Language Acquisition]

Catalog Number: 2529

Jesse Snedeker

Half course (fall term). Hours to be arranged.

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.

Note: Expected to be given in 2008–09.

[*Psychology 2250. Development of Intuitive Theories: Natural Kinds, Causes, and Things that make you go hmmm ...]

Catalog Number: 3341

Susan E. Carey

Half course (spring term). Hours to be arranged.

Examines the developmental origin of intuitive theories, including their structural, dynamic, and functional features. Explores how intuitive theories support the development of curiosity and children's exploration.

Note: Expected to be given in 2008–09. Open only to graduate students in the Psychology Department.; all others by permission of the instructor only.

***Psychology 2280. Language and Human Nature**

Catalog Number: 6741

Steven Pinker

Half course (spring term). Tu., 6–8 p.m. EXAM GROUP: 18

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.

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 2300r. Perception, Cognition, and Representation: Seminar**

Catalog Number: 8369

Patrick Cavanagh

Half course (spring term). Hours to be arranged.

Discussion of issues in perception, attention, and cognition.

Note: Open to graduate and undergraduate students working in the instructor's lab.

[*Psychology 2320. Applying fMRI to Cognitive Research]

Catalog Number: 5380

Half course (fall term). Hours to be arranged.

Covers basic fMRI methods in cognitive neuroscience. It takes the user and the reader's perspectives. Topics include data collection and analysis, experimental design, and the connection between BOLD and neuronal activity.

Note: Expected to be given in 2008–09. Open to undergraduates with permission of instructor.

[*Psychology 2335r. Language: Research Seminar]

Catalog Number: 5121

Alfonso Caramazza

Half course (spring term). Hours to be arranged.

Discussion of ongoing research projects on such issues as the organization of semantic, grammatical and lexical knowledge, language production, bilingualism, and reading.

Note: Expected to be given in 2008–09. Open to graduate and undergraduate students involved in research in language.

***Psychology 2345. Topics in Language Research: Linguistic, Cognitive, and Neural Aspects**

Catalog Number: 6215

Alfonso Caramazza

Half course (spring term). Tu., 2–4.

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: 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 2008–09.

***Psychology 2352r. Laboratory for Social Cognitive Neuroscience**

Catalog Number: 6187

Jason P. Mitchell 5481



Half course (fall term; repeated spring term). Tu., 5:30–7:30 p.m.

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 - (New Course)**

Catalog Number: 0838 Enrollment: Open to graduate and undergraduate students working in the instructor's laboratory.

Randy L. Buckner 5370

Half course (fall term; repeated spring term). Hours to be arranged.

***Psychology 2355r. Laboratory in Cognitive Neuroscience: Seminar**

Catalog Number: 1119

Stephen M. Kosslyn

Half course (fall term; repeated spring term). Spring: M., at 1. EXAM GROUP: Spring: 6

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. Meets laboratory methods requirement for honors undergraduates.

Prerequisite: Open to undergraduates only if they've met the following prerequisites and have permission of the instructor: Psychology 1; Psychology 13 or Psychology 1352 or MCB 80; and Statistics.

***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 2370. The Development of Social Cognition]

Catalog Number: 9542

Mahzarin R. Banaji and Susan E. Carey

Half course (fall term). Hours to be arranged.

How do children create representations of their social world? Important topics in social cognitive development (e.g., social categorization, in-group preference) are explored from the vantage point of current theories of conceptual representations and their development.

Note: Expected to be given in 2009–10. Open to graduate students and undergraduate students by permission of instructors.

Prerequisite: Psychology 16, or Psychology 15, or equivalent courses.

[*Psychology 2420. Cognitive-Behavioral Treatment of Psychological Disorders]

Catalog Number: 8446

Jill M. Hooley

Half course (spring 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 2008–09. Limited to Harvard graduate students in clinical psychology.

***Psychology 2430. Cultural and Individual Diversity**

Catalog Number: 9756 Enrollment: Limited to Harvard doctoral students in clinical psychology.

Matthew K. Nock

Half course (fall term). M., 1–3.

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.

[*Psychology 2445. Psychological Treatment Research]

Catalog Number: 1835

Matthew K. Nock

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2008–09. 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 2008–09. Open to advanced undergraduates with permission of instructor.

***Psychology 2460. Diagnostic Interviewing**

Catalog Number: 4157 Enrollment: Limited to 12.

Jill M. Hooley



Half course (fall term). Tu., 1–3.

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.

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 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 2008–09. 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). Tu., 4:30–6:30.

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: 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 Enrollment: For doctoral students only.

Daniel M. Wegner

Half course (fall term). Th., 1–3:30.

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.



***Psychology 2530r. Mental Control: Research Seminar**

Catalog Number: 2364

Daniel M. Wegner

Half course (fall term; repeated spring term). F 12-1, and research hours to be arranged. EXAM

GROUP: Spring: 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 2008–09. 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 - (New Course)**

Catalog Number: 9481

Joshua D. Greene 5594

Half course (fall term; repeated spring term). Hours to be arranged.

Year long lab course for students engaged in research on moral cognition.

***Psychology 2570r. Intergroup Relations: Research Seminar**

Catalog Number: 4440 Enrollment: Open to students engaged in research on intergroup relations.

James Sidanius

Half course (fall term; repeated spring term). Th., 5–7 pm.

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 - (New Course)**

Catalog Number: 1163 Enrollment: Open to graduate students only.

Wendy Mendes

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

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.

***Psychology 2610r. Social Psychophysiology: Research Seminar**

Catalog Number: 0190

Wendy Mendes

Half course (fall term; repeated spring term). M., 5–6:30.

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; 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 2008–09. 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). Tu., 4–6. EXAM GROUP: 18

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). M., 3–6. EXAM GROUP: 8, 9

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: Offered jointly with the Business School as 4420. 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.

Mindlessness/mindfulness theory is compared/contrasted to relevant theories in social and cognitive psychology.

***Psychology 2670a (formerly *Psychology 1571a). Decision Making I**

Catalog Number: 1193

Ellen J. Langer

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Decision theory and research, including the illusions of predictability, probability and control; rational/irrational models of decision-making; interpersonal decisions; risk-taking; learned helplessness; and mindfulness examined in applied contexts, with special focus on health.

Note: Open to qualified undergraduates.

***Psychology 2670b (formerly *Psychology 1571b). Decision Making II**

Catalog Number: 3434

Ellen J. Langer

Half course (spring term). Tu., at 10. EXAM GROUP: 12

A deeper exploration into the theoretical and experimental issues, pertaining to decision making and mindfulness, raised in Psychology 2670a.

Note: Open to qualified undergraduates.

Prerequisite: Psychology 2670a or PSY 1571a

[*Psychology 2700r (formerly *Psychology 2700). Debates in the Practice of Good Psychological Science]

Catalog Number: 5986

Susan E. Carey and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Addresses meta-level questions about practicing the science of psychology in graduate school. Graduate students and faculty guests discuss differences between areas of psychology and problems of professional development toward establishing productive, collegial cross talk.

Note: Expected to be given in 2008–09. Open to doctoral students only.

***Psychology 2751. Free Will, Responsibility, and Law - (New Course)**

Catalog Number: 7235

Joshua D. Greene

Half course (fall term). Th., 7–9 p.m. EXAM GROUP: 18

Examines the issues of free will and responsibility from philosophical, psychological, and neuroscientific perspectives, with special attention paid to potential legal applications.

Prerequisite: For undergraduates: Psychology 1; plus Psychology 13, 15, 16, or 18.



***Psychology 2752. Personality Disorders Seminar - (New Course)**

Catalog Number: 8245 Enrollment: Open to graduates and advanced undergraduates.

Christine Hooker

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

We explore current theory and research on the definition, etiology, phenomenology, and treatment of personality disorders. Biological, cognitive, behavioral, and psychosocial perspectives are examined.

Prerequisite: Psychology 1 and Psychology 18.

Cross-listed Courses

[African and African American Studies 241. Topics in African American Social Science]

[History of Science 273. Freud and the American Academy]

[Music 235r. Cognitive Theories of Music]

Graduate Courses of Reading and Research

***Psychology 3010. Special Reading and Research**

Catalog Number: 7858

Mahzarin R. Banaji 4258 (on leave 2007-08), Randy L. Buckner 5370, Alfonso Caramazza 1871, Susan E. Carey 4113, Patrick Cavanagh 2447 (on leave 2007-08), Daniel T. Gilbert 2359, Joshua D. Greene 5594, J. Richard Hackman 1504, Marc D. Hauser 3347, Christine Hooker 5768, Jill M. Hooley 1191, Stephen M. Kosslyn 7836, Ellen J. Langer 4967, Richard J. McNally 2978, Wendy Mendes 5033, Jason P. Mitchell 5481, Ken Nakayama 2558, Matthew K. Nock 4645, Steven Pinker 4733, Diego Pizzagalli 4425 (on leave 2007-08), Daniel L. Schacter 2805, James Sidanius 5371 (on leave 2007-08), Jesse Snedeker 4118 (on leave fall term), Elizabeth S. Spelke 3850, and Daniel M. Wegner 3758 (on leave spring term)

***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

Jill M. Hooley 1191, 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 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).

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 2008–09. Limited to Harvard doctoral students in clinical psychology.

Prerequisite: Psychology 2480 and 2482.

***Psychology 3200. Research Seminar in Experimental Psychopathology/Clinical Psychology**

Catalog Number: 6455

Matthew K. Nock 4645 and Diego Pizzagalli 4425 (on leave 2007-08)

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. For more information, see www.courses.fas.harvard.edu/~psy3200/.

Note: Attendance required for all students in Experimental Psychopathology/Clinical Psychology.

***Psychology 3220 (formerly *Psychology 2220a). Developmental Studies: Seminar**

Catalog Number: 4672

Elizabeth S. Spelke 3850

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 - (New Course)**

Catalog Number: 5142

Elizabeth S. Spelke 3850

Half course (fall term; repeated spring term). Tu., 2:30–4. EXAM GROUP: 16, 17

***Psychology 3250. Psychological Testing**

Catalog Number: 7164

Marla D. Eby (Medical School) 5333

Half course (spring term). Th., 10–11:30.

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

Half course (fall term; repeated spring term). Hours to be arranged.

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

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

Ken Nakayama 2558 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

Ken Nakayama 2558

Half course (fall term; repeated spring term). Tu., at 12.

***Psychology 3400. Developmental Psychopathology Research Workshop**

Catalog Number: 3205

Matthew K. Nock 4645

Half course (fall term; repeated spring term). Hours to be arranged.

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.

***Psychology 3420. Research Workshop in Social Psychology**

Catalog Number: 7610

Wendy Mendes

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. *Note:* Required of first-year graduate students in social psychology in fall and spring; open to all other social psychology students in fall and spring.



***Psychology 3500. The Human Mind: Talking Points**

Catalog Number: 5341

Steven Pinker

Half course (spring term). Th., 3:30–5:30.

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

Ken Nakayama 2558

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

Susan E. Carey 4113 and members of the Department

Half course (spring term). Hours to be arranged.

Note: Normally required of and limited to department graduate students who are first-time teaching fellows.

[*Psychology 3560. The Real World]

Catalog Number: 5482

Patrick Cavanagh 2447 (on leave 2007-08) and Stephen M. Kosslyn 7836

Half course (spring term). Hours to be arranged.

Orientation to the world after graduate school. Reviews basic survival skills, including those used immediately, such as teaching, and those needed for academic jobs, such as writing vitas, giving job talks, preparing grant proposals.

Note: Expected to be given in 2008–09. Limited to graduate students in psychology.

***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.



[*Psychology 3900 (formerly *Psychology 2900). Professional Ethics]

Catalog Number: 6702

Jill M. Hooley 1191

Half course (fall term). Hours to be arranged.

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 2008–09. Limited to graduate students.

***Sociology 390. Health and Social Structure - (New Course)**

Catalog Number: 6282

Nicholas A. Christakis (Medical School) 4459

Full course (indivisible). 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.

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Anthony Saich, Daewoo Professor of International Affairs (*Kennedy School*)
Monica D. Toft, Associate Professor of Public Policy (*Kennedy School*)
Richard J. Zeckhauser, Frank Plumpton Ramsey 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.ksg.harvard.edu/ksgdoctoral/.

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 (*on leave spring term*)
 Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)
 Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
 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*) (*Director of ThD Studies*)
 Marla F. Frederick, Associate Professor of African and African American Studies and of the
 Study of Religion
 Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative
 Literature (*on leave spring term*)
 Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)
 William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (*FAS*), John
 Lord O'Brian Professor of Divinity, Dean of the Faculty of Divinity (*Divinity School*)
 Jeffrey F. Hamburger, Kuno Francke Professor of German Art and Culture (*on leave 2007-08*)
 Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave fall*
term)
 Christopher P. Jones, George Martin Lane Professor of the Classics and of History
 Karen L. King, Winn Professor of Ecclesiastical History (*Divinity School*)
 David Lamberth, Professor of Theology (*Divinity School*)
 Kevin J. Madigan, Professor of the History of Christianity (*Divinity School*)
 Anne E. Monius, Professor of South Asian Religions (*Divinity School*) (*Director of*
Undergraduate Studies)
 Jacob Olupona, Professor of African and African American Studies and Professor of African
 Religious Traditions (*FAS*), Professor of African Religious Traditions (*Divinity School*)
 Parimal G. Patil, John L. Loeb Associate Professor of the Humanities (*Director of PhD Studies*)
 Kimberley C. Patton, Professor of the Comparative and Historical Study of Religion (*Divinity*
School)
 Michael J. Puett, Professor of Chinese History

Other Faculty Offering Instruction in the Study of Religion

M. Shahab Ahmed, Assistant Professor of Islamic Studies (*on leave 2007-08*)
 François Bovon, Frothingham Professor of the History of Religion (*Divinity School*)
 Ann D. Braude, Senior Lecturer in American Religious History (*Divinity School*)
 David L. Carrasco, Neil L. Rudenstine Professor for the Study of Latin America (*FAS, Divinity*
School)
 Jocelyne Cesari, Islam in the West Program Director, Project Manager, Carnegie Corporation
 Grant - Islamopedia (*Divinity School*)
 Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology
 (*Divinity School*)
 Sarah Coakley, Edward Mallinckrodt, Jr. Professor of Divinity (*Divinity School*)
 Harvey G. Cox, Jr., Hollis Professor of Divinity (*Divinity School*)
 Nicola F. Denzey, Lecturer on the Study of Religion
 John Duffy, Dumbarton Oaks Professor of Byzantine Philology and Literature
 Arthur J. Dyck, Mary B. Saltonstall Professor of Population Ethics (*Public Health, Divinity*



School)

Fariad Esack, Prince Al-Waleed Bin Talal Visiting Professor of Islamic Studies (*Divinity School*)

Peter J. Gomes, Plummer Professor of Christian Morals (*Divinity School*)

Janet Gyatso, Hershey Professor of Buddhist Studies (*Divinity School*)

David D. Hall, John A. Bartlett Professor of New England Church History (*Divinity School*)

Paul D. Hanson, Florence Corliss Lamont Professor of Divinity (*Divinity School*) (*on leave fall term*)

Jay M. Harris, Harry Austryn Wolfson Professor of Jewish Studies

Albert Henrichs, Eliot Professor of Greek Literature

Evelyn Brooks Higginbotham, Victor S. Thomas Professor of History and of African and African American Studies

Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*)

Michael D. Jackson, Visiting Professor of World Religions (*Divinity School*)

Baber Johansen, Professor of Islamic Studies (*Divinity School*)

Beverly M. Kienzle, John H. Morison Professor of the Practice of Latin and Romance Languages, Lecturer on Medieval Christianity, and Director of Language Studies (*Divinity School*)

Arthur Kleinman, Esther and Sidney Rabb Professor of Anthropology in the Faculty of Arts and Sciences and Professor of Medical Anthropology (*FAS*) in the Faculty of Medicine (*Medical School*) (*on leave 2007-08*)

James T. Kloppenberg, Charles Warren Professor of American History, Harvard College Professor, Department Chair of History

Helmut H. Koester, John H. Morison Research Professor of New Testament Studies and Winn Research Professor of Ecclesiastical History (*Divinity School*)

Smita Lahiri, Associate Professor of Anthropology (*on leave 2007-08*)

Jon D. Levenson, Albert A. List Professor of Jewish Studies (*Divinity School*)

David Little, T. J. Dermot Dunphy Professor of the Practice in Religion, Ethnicity, and International Conflict (*Divinity School*)

Peter Machinist, Hancock Professor of Hebrew and Other Oriental Languages

Everett I. Mendelsohn, Professor of the History of Science, Emeritus, Research Professor of the History of Science, Temporary Academic

David G. Mitten, James Loeb Professor of Classical Art and Archaeology (*on leave spring term*)

Roy Mottahedeh, Gurney Professor of History (*on leave fall term*)

Laura S. Nasrallah, Assistant Professor of New Testament and Early Christianity

Patrick Provost-Smith, Assistant Professor of the History of Christianity (*Divinity School*)

Christopher S. Queen, Lecturer on the Study of Religion

Jonathan Schofer, Assistant Professor of Comparative Ethics (*Divinity School*)

Elisabeth Schüssler Fiorenza, Krister Stendahl Professor of Divinity (*Divinity School*)

P. Oktor Skjaervo, Aga Khan Professor of Iranian

Donald K. Swearer, Visiting Professor of Buddhist Studies (*Divinity School*)

Ronald Thiemann, Professor of Theology and of Religion and Society (*Divinity School*)

Wei-Ming Tu, Harvard-Yenching Professor of Chinese History and Philosophy and of Confucian Studies

Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave fall term*)

Preston N. Williams, Houghton Research Professor of Theology and Contemporary Change (*Divinity School*)



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. 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

Anne E. Monius (Divinity School)

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 of Head Tutor required.

***Religion 97 (formerly *Religion 97a and 97b). Tutorial — Sophomore Year**

Catalog Number: 2313

Marla F. Frederick

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Note: Required of concentrators.

***Religion 98a. Tutorial — Junior Year**

Catalog Number: 2832

Anne E. Monius (Divinity School)

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 98b. Tutorial — Junior Year**

Catalog Number: 2922

Anne E. Monius (Divinity School)

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Required of concentrators.

***Religion 99. Tutorial — Senior Year**

Catalog Number: 6498

Anne E. Monius (Divinity School)

Full course. Th., 4:30–6.

A required component of the senior year tutorial is a monthly seminar, led by the Assistant Head Tutor. Covers research methods and strategies in thesis writing in the fall, becoming an intensive review for general examinations in the spring.

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). Tu., Th., 11:30–1; . EXAM GROUP: 13, 14

An introduction to five of the world's religious traditions --Hindu, Buddhist, Jewish, Christian, and Muslim-- through the voices of modern adherents and interpreters. How do people in each tradition articulate their faith in the context of the modern world and its many forms of diaspora and globalization? How do they think about the challenges of religious pluralism? What are the tensions within traditions? Between traditions? In a world of religious difference, what does



dialogue mean?

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 (FAS, Divinity School)

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3160.

[Religion 19. Religious Belief and Moral Action]

Catalog Number: 0069

Donald K. Swearer (Divinity School)

Half course (spring term). Hours to be arranged.

An exploration of the relationship between religion and morality. Basic ethical concepts in Christianity, Hinduism, and Buddhism will be studied in relationship to their cosmological, epistemological, and theological frameworks. The course will explore the concepts of virtue, love, justice, nonviolence, and the moral exemplar through the life and writing of Dorothy Day, Martin Luther King Jr., Malcolm X, Mahatma Gandhi, Abd al-Ghaffar Khan, and Thich Nhat Hanh.

Note: Expected to be given in 2008–09. Offered jointly with Divinity School as 3571.

Religion 28. The Hebrew Bible and Its Worlds - (New Course)

Catalog Number: 1482

Shaye J.D. Cohen

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

This course is a survey of the major books, genres, institutions, and ideas of the Hebrew Bible (commonly called the Old Testament). The course will also treat the historical contexts in which the Bible emerged, and the Bible's role as canonical scripture in Judaism and Christianity. All readings in translation. No prior knowledge of the subject is assumed.

Religion 42. The Christian Bible and Its Interpretations

Catalog Number: 5870

Peter J. Gomes (Divinity School)

Half course (fall term). W., F., at 11, and a weekly section to be arranged. EXAM GROUP: 4

Introduction to the Christian conception of scripture from the closing of the Canon to the Fundamentalist/Modernist controversy. Topics considered include the relationship of scripture to tradition, appropriation of Hebrew scripture, exegetical and hermeneutical theories, and scripture and culture. Particular attention paid to the development of theories of scriptural authority and their social consequences within the Western Christian experience and American Protestantism.

Note: Offered jointly with the Divinity School as 1210.



Religion 43. The Making of Christianity

Catalog Number: 3257

Nicola F. Denzey

Half course (fall term). M., W., at 11 and an hour to be arranged. EXAM GROUP: 4

What is “Christianity”? Where did it come from? How did religious leaders from Paul to Patrick and Augustine navigate the diverse teachings, rituals, and social practices of Jesus and his followers, or else create their own arguably equally authentic Christianity? How did a single “Christianity” emerge from a welter of alternatives and possibilities? Or did it? Special emphasis will be given to the careful study of primary sources, questions of historiography, and Christianity across cultures.

Note: Offered jointly with the Divinity School as 2324.

Cross-listed Courses

African and African American Studies 12. What is Black Religion?: An Introduction - (New Course)

[Foreign Cultures 12. Sources of Indian Civilization]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

Historical Study B-09. The Christian Revolution

Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage

Moral Reasoning 76. Comparative Religious Ethics

General: Comparative and Methodological

For Undergraduates and Graduates

Religion 1001. Religion and Ethnography - (New Course)

Catalog Number: 9270

Marla F. Frederick

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

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 worshippers, while simultaneously bringing to bear their own issues of subjectivity as ethnographers.

Religion 1002. Back Roads to Far Places: Literature of Journey and Quest - (New Course)

Catalog Number: 3110

William A. Graham, Jr. (Divinity School) and Stephanie A. Paulsell (Divinity School)

Half course (spring term). M., W., at 9 with an hour to be arranged. EXAM GROUP: 2

This course explores the pervasive themes of journey and quest in world literature with particular attention to the religious dimensions of those themes. Readings include Gilgamesh, The Hobbit, Walden, biblical selections, and works or selections of works by Dante, Teresa of Avila, Herman



Hesse, Ashavaghosha, Charles Johnson, Basho, Shusako Endo, and Virginia Woolf.

Note: Offered jointly with the Divinity School as 2490.

[*Religion 1003. Comparative Religion: History, Challenges, Potential] - (New Course)

Catalog Number: 1694 Enrollment: Limited to 15. Limited to fifteen students, by written application at the first class meeting.

Kimberley C. Patton (Divinity School)

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3828.

[Religion 1005. World Religions in Boston: Seminar]

Catalog Number: 2655 Enrollment: Limited to 15.

Diana L. Eck

Half course (fall term). Hours to be arranged.

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 2008–09. Offered jointly with the Divinity School as 3901.

Religion 1007. Religion in Multicultural America: Case Studies in Religious Pluralism

Catalog Number: 8833 Enrollment: Limited to 15.

Diana L. Eck

Half course (fall term). W., 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: Offered jointly with the Divinity School as 3847.

[Religion 1009. Introduction to Women's Studies in Religion]

Catalog Number: 9774

Leila N. Ahmed (Divinity School) and Ann D. Braude (Divinity School)

Half course (spring term). Hours to be arranged.

The use of gender as a category of analysis has transformed the study of religion. This course will explore a range of topics in women's studies across a range of religious contexts. Members of the faculty will introduce issues of women and gender from their specific disciplinary and



theoretical perspectives.

Note: Expected to be given in 2008–09. Offered jointly with Divinity school as 3223.

Religion 1010. The Deep: Purity, Danger, and Metamorphosis

Catalog Number: 9495 Enrollment: Limited to 15. Application at the first class meeting.

Kimberley C. Patton (Divinity School)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Reflecting upon the supernatural constructions of natural elements in lived religion, this comparative course examines metaphysical, mythical, and ritual responses to the sea, including its multiple and conflicting roles as arena of pilgrimage, catharsis, primordial generation, rebirth, desolation, or apocalypse.

Note: Offered jointly with the Divinity School as 3817.

[Religion 1011. The Tree at the Center of the World]

Catalog Number: 9064 Enrollment: Limited to 25. Application at the first meeting.

Kimberley C. Patton (Divinity School)

Half course (fall term). Hours to be arranged.

This comparative conference course will examine historical and contemporary traditions of primordial, cosmic, and sacred trees in religion, folklore, mythology, and ritual, including the ways in which the special natural characteristics of trees have been interpreted metaphorically and metaphysically. We will consider primary iconographic and textual evidence as well as secondary sources. Individual research projects in particular traditions will be featured.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3823.

Religion 1028. Icon or Idol? Attitudes to the Sacred Image - (New Course)

Catalog Number: 5642

Kimberley C. Patton (Divinity School)

Half course (fall term). Wednesday 1-3 with an additional hour to be arranged. EXAM GROUP: 6, 7

The study of iconography, literally "in writing in images," is a powerful lens through which to view the religious traditions of the world. Through a historically informed, cross-cultural survey, this course examines how conceptions of the sacred are visually communicated. Treats differing attitudes towards the representation of divinity, symbolic versus "real" presence, as well as negative attitudes to images - iconoclasm, the transcendence of images, and the reinterpretation of iconic vision in abstract or noniconic expressions.

Note: Offered jointly with the Divinity School as 3316.

[*Religion 1030. Texts, Writers, and Readers]

Catalog Number: 2033 Enrollment: Limited to 20.

David D. Hall (Divinity School)

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

A reading and research colloquium focusing on the production and transmission of texts in vernacular languages, be these literary, historical, religious, etc. The social practices of authorship and reading in the west as these have persisted or been transformed, from the Renaissance and Reformation through the 19th century. The course draws on methods in the



history of the book as well as in literary and cultural studies.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity school as 2389.

Religion 1040. Introduction to Comparative Theology and Theology of Religions

Catalog Number: 3278

Francis X. Clooney (Divinity School)

Half course (fall term). Tu., Th., 10–11:30.

This course examines the processes by which theologians study other religions' theologies and bring this learning into dialogue with their own traditions through careful comparison, dialogical reflection and, ideally, a subsequent, well-informed theology of religions. Readings include (by way of the necessary concrete example) Hindu primary texts and texts from the Roman Catholic magisterial and theological traditions, but students will be encouraged to bring their knowledge of and interest in other traditions into the class discussions.

Note: Offered jointly with the Divinity School as 3101.

Prerequisite: Prior knowledge of either tradition, though desirable, is not required.

[Religion 1061. Reading Hindu Texts Interreligiously I: The Upanisads and Advaita: Seminar]

Catalog Number: 3296 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (fall term). Hours to be arranged.

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 fall semester's texts include basic Upanisads and their reception in the Advaita Vedanta tradition (exemplified by the Verses [Karikas] of Gaudapada and the Crest Jewel of Discrimination [Vivekacudamani, attributed to Sankara]), and in turn read in light of excerpts from classics of the Christian theological tradition.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3919.

Prerequisite: No language or course prerequisites, but students will be encouraged to make use of any such expertise.

[Religion 1062. Religion Reading Hindu Texts Interreligiously II: Vedanta Desika's Srimad Rahasya Traya Sara:]

Catalog Number: 3313 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (spring term). Hours to be arranged.

See course description of Religion 1061. This term's text, the Srimad Rahasya Traya Sara of the Srivaisnava theologian Vedanta Desika, is an 14th-century treatise of spiritual theology that both summarizes and argues persuasively for the Srivaisnava practice of total surrender to God. It will be read in light of the theistic Vedanta and Srivaisnava background, Desika's other works, and with excerpts from classics of Christian spiritual theology.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3920.

Prerequisite: No language or course prerequisites, but students will be encouraged to make use of any such expertise.



Religion 1063. South Asian Religious Aesthetics: Seminar

Catalog Number: 8607 Enrollment: Limited to 15.

Anne E. Monius (Divinity School)

Half course (spring term). Tu., 1–3.

An examination of South Asian theories of aesthetics and their relevance for understanding Hindu, Buddhist, and Jain discourses of ethics, literature, and theology.

Note: Offered jointly with the Divinity School as 3925.

Prerequisite: Previous coursework in the religious history of South Asia.

Religion 1064. Interreligious Dialogue: The Hindu -Christian Example - (New Course)

Catalog Number: 6752

Francis X. Clooney (Divinity School)

Half course (spring term). Tu., Th., 10–11:30.

This course examines the purpose, history, challenges of interreligious dialogue, by select historical and current examples from the Hindu-Christian encounter: e.g., Jesuit missionary encounters with Hindu intellectuals, Protestant-Hindu dialogues and debates, 19th-20th century reconsiderations of Hindu/Christian identity, more contemporary debates involving figures like Swami Abhishiktananda, Bede Griffiths, Ram Swarup, Sita Ram Goel. Generalizations regarding other dialogues will occur regularly. Throughout, the theological significance of dialogue is the focus of attention.

Note: Offered jointly with the Divinity School as 3102.

Religion 1076. Religion and Politics in Current “Fundamentalist” Movements

Catalog Number: 8243

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Tu., 1–3 and an hour to be arranged. EXAM GROUP: 15, 16

A comparative investigation of ultra-conservative movements within four different religious traditions: Jewish “Settler” theology, the Chabad, and the Lubavot; Roman Catholic dissenting Marian groups and Opus Dei; Protestant TV Evangelists, “Christian Zionism”, and Megachurches; and Islamic radicalism (Hamas) and the Muslim Brotherhood.

Note: Offered jointly with the Divinity School as 2511.

[Religion 1077. Islam Through Western Christian Eyes] - (New Course)

Catalog Number: 7552

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Th., 1–3.

From the time of the Prophet until today Christians have interpreted Islam in a variety of ways in literature, poetry, art, theology, and films. Many images are constantly re-circulated. Beginning with early and classical medieval and Reformation Christian depictions, we will then consider contemporary western images of Muslims and Islam and how these depictions influence western political and religious attitudes.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2544.

Prerequisite: Some previous study of Islam required.

Religion 1081. Women and Religion - (New Course)

Catalog Number: 4511



Nicola F. Denzey

Half course (fall term). W., 2–4.

This seminar examines how religion (i.e. institutionalized social and cultural structures of belief and practice) functions to shape and inform women's individual and collective experiences. We focus on constructions of women and women's roles in various contexts. The broad perspective of the course is cross-cultural and trans-historical; our primary concern is women's experience within Western cultural traditions. In every case, religion will be considered against the background of social, cultural and political realities.

Note: Offered jointly with the Divinity School as 2329.

Cross-listed Courses

Anthropology 1060. Archaeological Science

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

***Folklore and Mythology 98a (formerly *Folklore and Mythology 97b). Oral Literature and the History of Folkloristics**

[Indian Studies 118. Indian Philosophy: Advanced Introduction]

Moral Reasoning 76. Comparative Religious Ethics

Primarily for Graduates

***Religion 2001. The Cultural History of the Study of Religion**

Catalog Number: 0644

Kimberley C. Patton (Divinity School) and William A. Graham, Jr. (Divinity School)

Half course (fall term). Th., 3–5.

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

David Lamberth (Divinity School)

Half course (spring term). Hours to be arranged.

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: For all second-year doctoral students in the Study of Religion.

[Religion 2043. Religion, Justice, and Peace]

Catalog Number: 9558

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

Assesses four areas of inquiry: how peace agreements are made, how they are implemented, how they are enforced, and how conditions congenial to peace are cultivated. The problems of justice posed by attempting to enforce or build peace.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2814.



***Religion 2055. Religion and Democratic Theory: Seminar**

Catalog Number: 6070 Enrollment: Limited to 15.

Ronald Thiemann (Divinity School)

Half course (spring 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. Also considers religion and democratic theory in cross-cultural perspective.

Note: Among the authors considered will be Seyla Benhabib, Dipesh Chakrabarty, Ernesto Laclau, Chantal Mouffe, Reinhold Niebuhr, Martha Nussbaum, John Rawls, and Adoukharim Saroush. Offered jointly with the Divinity School as 2538.

Cross-listed Courses

African and African American Studies 187. African Religions - (New Course)

Graduate Courses of Reading and Research

***Religion 3005. Doctoral Colloquium in Religion, Gender, and Culture**

Catalog Number: 8016

Leila N. Ahmed (Divinity School) 3308

Half course (fall term; repeated spring term). Spring: Tu., 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 2698.

Ancient Near Eastern and Israelite

Cross-listed Courses

Ancient Near East 102. Introduction to Mesopotamian Religion

Ancient Near East 117. Biblical Archaeology

Ancient Near East 120. Introduction to the Hebrew Scriptures

[Ancient Near East 135. Biblical Theology: Hebrew Bible]

[*Comparative Literature 211. Mysticism and Literature: Seminar]

[Early Iranian Civilizations 102. Old Iranian Religion/Zoroastrianism]

[Early Iranian Civilizations 103. Manicheism]

Sumerian 146. Sumerian Religious Literature

Judaic



For Undergraduates and Graduates

[Religion 1212a. Judaism: The Liturgical Year]

Catalog Number: 5679

Jon D. Levenson (Divinity School)

Half course (fall term). Hours to be arranged.

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 2008–09. 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). Hours to be arranged.

A continuation of Religion 1212a.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 1667b/3667b.

Prerequisite: Religion 1212a.

Religion 1260. Midrash: Jewish Biblical Interpretation in the Rabbinic Period

Catalog Number: 2424

Jon D. Levenson (Divinity School)

Half course (fall term). M., W., 10–11:30.

An introduction to the way the rabbis of the Talmudic period interpreted their Bible. Close reading in English of a range of midrashic literature, halakhic and aggadic, exegetical and homiletical, Tannaitic and Amoraic. Emphasis on literary assumptions and theological affirmations. Consideration of the affinities and contrasts of midrash with early Christian biblical interpretation and with contemporary literary theory.

Note: Offered jointly with the Divinity School as 3669.

Cross-listed Courses

[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

For Undergraduates and Graduates

Cross-listed Courses



Literature and Arts C-14. Concepts of the Hero in Greek Civilization

Primarily for Graduates

Christianity

For additional courses on Christian Studies, see the catalog of the Divinity School.

For Undergraduates and Graduates

Religion 1400. Introduction to the New Testament: History and Interpretation

Catalog Number: 4486

Karen L. King (Divinity School)

Half course (spring term). Tu., Th. 11:30-1:00 and an hour to be arranged.

Almost two millennia lie between the contemporary interpreter of the New Testament and the historical circumstances in which the diverse literature collected in it was written down. We will examine some of the contemporary modes of interpreting the New Testament literature, including historical-critical, African-American, and feminist liberation approaches. Emphasis will be placed upon critical and constructive engagement with the primary texts.

Note: Offered jointly with the Divinity School as 1202.

Religion 1405. History of Early Christianity - (New Course)

Catalog Number: 9018

Helmut H. Koester (Divinity School)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Development of Christianity from its beginnings to the end of the 4th century in its political, cultural, and religious environment; consideration of diversity, controversies, development of institutions and doctrine. Discussion of orthodoxy and heresy, conflicts with the established authorities and martyrdoms.

Note: Offered jointly with the Divinity School as 1260.

Religion 1406. Saints, Sinners, Matrons and Monastics - (New Course)

Catalog Number: 5623

Nicola F. Denzey

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

This course considers saints, sinners, matrons and monastics in the world of early Christianity? Who were the saints? How was personal sanctity understood and conveyed? This course introduces the stories of holy people (hagiography) of the Greek East during the formative period we call "late antiquity" (4th -6th century C.E.). Themes to be considered include cross-cultural analysis of asceticism and the body; gender and authority; the birth of monasticism versus urban piety, and late antique identity construction.

Note: Offered jointly with the Divinity School as 2322.

Religion 1409. The New Testament, Biblical Studies, and Empire: Seminar

Catalog Number: 3075 Enrollment: Limited to 15.



Laura S. Nasrallah

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Focuses on the intersection of the New Testament and postcolonial criticisms. Addresses both the Roman imperial context of early Christian texts and nineteenth- and twentieth-century approaches to the Bible, asking how Orientalism may be connected to the formation of biblical studies. Special attention paid to biblical archaeology, art history and renditions of the "Holy Land", and quests for the historical Jesus.

Note: Offered jointly with the Divinity School as 1887.

Religion 1413. Paul's Letters and Their Interpreters: Ethnicity, Empire, the Body, and the End of the World

Catalog Number: 8015

Laura S. Nasrallah

Half course (fall term). M., W., at 10. EXAM GROUP: 3

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: Offered jointly with the Divinity School as 1544.

Religion 1421. The Gospel of Luke

Catalog Number: 8662

François Bovon (Divinity School)

Half course (spring term). F., 1–3.

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: Offered jointly with the Divinity School as 1511.

Prerequisite: Three terms of Greek.

Religion 1422. History of the Exegesis and Reception of the Gospel of Luke

Catalog Number: 0072 Enrollment: Limited to 15.

Kevin J. Madigan (Divinity School)

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

A study of the exegesis and reception of the Gospel of Luke in history, stressing the interpretation of the Gospel in the period ca. 200–1600. After studying Luke in its original context, the seminar will turn to commentaries, sermons, and artistic representations of all or parts of the Gospel, as well as to hermeneutical theory from the ancient world.

Note: Offered jointly with the Divinity School as 1872.

Prerequisite: A major research language (Latin, Greek, or Syriac) helpful, but not required.

[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 2008–09. Offered jointly with the Divinity School as 1270/2130.

Religion 1434. History of Western Christianity, 150-1100

Catalog Number: 5783

Kevin J. Madigan (Divinity School)

Half course (fall term). Tu., Th., at 9. EXAM GROUP: 11

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 1437. History of Western Christianity: 1100–1500

Catalog Number: 5997

Kevin J. Madigan (Divinity School)

Half course (spring term). Tu., Th., at 9. EXAM GROUP: 11

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 1439. The History of Christianity: An Introduction to Interpretive Issues]

Catalog Number: 6685 Enrollment: Limited to 15.

David D. Hall (Divinity School) and Kevin J. Madigan (Divinity School)

Half course (fall term). Hours to be arranged.

An introduction to the interpretive literature of the history of Christianity in Europe and North America. Focus on major debates and the evolution of theory and method in “religious history.” Topics may include the transition from “church history” to “religious culture,” the “triumph of Christianity” in the Roman Empire, the causes of the Reformation, the nature of “popular religion,” and American “exceptionalism.”

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2392.

[Religion 1465. Liberal Protestantism and its Historical Contexts]

Catalog Number: 0833

David D. Hall (Divinity School)

Half course (fall term). M., W., at 10 and an hour to be arranged. EXAM GROUP: 3

Spanning two centuries and encompassing British as well as American religious history, this course concerns the emergence of liberal Protestantism, first in reaction to evangelical orthodoxy and the revivals of the 18th century, and second, in response to romantic and modernist movements of the 19th century. Key figures include Locke, W. E. Channing, R. W. Emerson, Horace Bushnell, and M. Arnold; significant attention as well to the emergence of Unitarian-



Universalism.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2273.

Religion 1468. Religion in America: From the Coming of the Europeans to the 1870s

Catalog Number: 2509

David D. Hall (Divinity School)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

Encompassing both “mainstream” and insurgent, “popular” or “new” forms of religion (e.g., the Society of Friends, Mormonism, African-American Protestantism), this survey course deals with the history of Christian thought; changing patterns of religious practice; and religion and society in the context of the regulating and/or liberating “reform” movements of the 19th century.

Note: Offered jointly with the Divinity School as 2303.

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 1493. Contemporary Roman Catholic Theology]

Catalog Number: 6926

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1–3 and an hour to be arranged. EXAM GROUP: 6, 7

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 2008–09. Offered jointly with the Divinity School as 2479.

Cross-listed Courses

Celtic 107. Early Irish History

Celtic 151. The Literature of Medieval Celtic Christianity

Historical Study B-09. The Christian Revolution

***History 2662 (formerly *History 2662hf). Readings in American Thought**

Medieval Greek 115ar. Introduction to Byzantine Greek

Primarily for Graduates

Religion 2426. Editing Greek Christian Literature: Seminar

Catalog Number: 9005

François Bovon (Divinity School) and John Duffy

Half course (spring term). Th., 1–3.



We explore the several-step preparation of a scholarly text edition. The introductory sessions focus on heuristic questions: how to track down manuscripts of authors and individual works; how to find library catalogs and descriptions; how to obtain copies of documents. The rest of the course is devoted to a hands-on exercise in editing and translating one or more short Greek Christian texts, particularly apocryphal texts.

Note: Offered jointly with the Divinity School as 1874.

Prerequisite: A course in Greek Paleography, and a strong background in Greek.

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 (fall term). Hours to be arranged.

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 2473. Liberation Theology: Past, Present and Future - (New Course)

Catalog Number: 9541

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Th., 1–3.

The historical and biblical sources of liberation theology in Latin America, its view of the Bible, God, Jesus Christ, structural sin and salvation, and the role of the Churches. Attacks and criticisms; LT's spread to Asia (Korean Minjung theology, and Dalit theology in India) and Africa. Interactions with feminist, protestant evangelical-pentecostal movements and ecology. Current trends and future prospects.

Note: Offered jointly with the Divinity School as 2545.

Religion 2477. God

Catalog Number: 8838 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (fall term). Tu., 3–5.

An analysis of select 20th-century theologians in their approach to the issue of the knowledge of God and in their interpretations of the nature of God.

Note: Offered jointly with the Divinity School as 2634.

Religion 2480. Karl Barth: Seminar

Catalog Number: 8592 Enrollment: Limited to 12.

Ronald Thiemann (Divinity School)

Half course (fall 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.

Note: Offered jointly with the Divinity school as 2535.

Prerequisite: At least one course in modern theology.



Graduate Courses of Reading and Research

***Religion 3420hf. Seminar for Advanced New Testament Students**

Catalog Number: 6026 Enrollment: Limited to 15.

Karen L. King (Divinity School) 4217

Half course (throughout the year). Alternate W., 3–5.

In the Image of God(s). Examines the idea of humans being (in) the image of the divine as this concept is found in ancient Mediterranean world, focusing on Roman statuary, New Testament and early Christian literature.

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 3450hf. Colloquium in Religion and Theory]

Catalog Number: 5177 Enrollment: Limited to 25.

Patrick Provost-Smith (Divinity School) 4808

Half course (throughout the year). Hours to be arranged.

This colloquium will discuss theoretical issues and texts that have had a formative impact on the study of religion, with topics that will vary according to student interest. Past topics have included postcolonial theory and Foucault.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2288.

Modern Western

For Undergraduates and Graduates

[Religion 1513. History of Harvard and Its Presidents]

Catalog Number: 1233 Enrollment: Limited to 100.

Peter J. Gomes (Divinity School)

Half course (spring term). W., F., at 11, and an hour 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: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2297.

[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 2008–09. 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 10 and an hour to be arranged. EXAM GROUP: 3

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: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2410.

Religion 1528. The German Church Struggle and the Holocaust - (New Course)

Catalog Number: 6091

Ronald Thiemann (Divinity School)

Half course (fall term). Hours to be arranged. EXAM GROUP: 3, 4

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: Jointly offered with the Divinity School as 2536.

[Religion 1535. Theology and Power: Seminar]

Catalog Number: 8857 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

An exploration of the diverse understandings of power within classical and recent social and theological thought. Transitions in the understanding of power with contemporary critical theory, feminist theology, and post-colonial theory will be discussed. Among the authors described: Weber, Lukes, Dahl, Foucault, Arendt, Habermas, Tillich, Rahner, Boff, West, Cobb, Butler, and Young.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2633.

Religion 1537. Political Theology, Justice, and Rights

Catalog Number: 5652

Francis Fiorenza (Divinity School)

Half course (spring term). W., 1–3.

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 Metz, Moltmann, Wolin, Rawls, Scanlon, Ignatieff, Nussbaum, and Jürgen.

Note: Offered jointly with the Divinity School as 2632.



Religion 1541. Kant: Seminar

Catalog Number: 5295

David Lamberth (Divinity School)

Half course (fall term). W., 1–3.

A close reading of major works of Kant relevant to theology and philosophy of religion. The seminar focuses on issues such as the nature and limits of reason, the concepts of freedom, morality and faith, and the idea of God.

Note: Offered jointly with the Divinity School as 2674.

Prerequisite: Advanced work in theology or philosophy of religion.

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: 13, 14

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 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: Offered jointly with the Divinity School as 2671.

Religion 1550. Religion and American Public Life

Catalog Number: 1431

Ronald Thiemann (Divinity School)

Half course (spring term). M., 10–12. EXAM GROUP: 3, 4

An overview of the issues that arise within American democracy concerning the public role of religion. Covers issues in public theology, democratic political theory, and constitutional law. Concludes with a case study in public policy, considering such issues as religion and welfare policy, religion and the First Amendment, religion and warfare.

Note: Offered jointly with the Divinity School as 2524.

[Religion 1560. Religion and Society in 20th Century America: A Biographical Approach: Seminar]



Catalog Number: 7061

Harvey G. Cox, Jr. (Divinity School)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

This course will focus on representative figures in the complex relationship of religion and society in the America of the 20th century, including Walter Rauschenbusch, Jane Addams, Aimee Semple McPherson, Reinhold Niebuhr, Billy Graham, Dorothy Day, Martin Luther King, Jr. and William Sloan Coffin.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2522.

[Religion 1567. Religion and the Public Intellectual]

Catalog Number: 2548

Ronald Thiemann (Divinity School)

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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 Bender, Camus, Day, Hughes, Jacoby, Niebuhr, Nussbaum, Orwell, West, and others.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2528.

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](#)

Primarily for Graduates

[Religion 2525. Rationality, Relativism, and Theology - \(New Course\)](#)

Catalog Number: 3134 Enrollment: Limited to 12.

Francis Fiorenza (Divinity School)

Half course (spring term). Tu., 11–1.

An analysis of the debates about relativism, pluralism, and rationality within current philosophy and theology. Selected contemporary authors will be discussed.

Note: offered jointly with the Divinity School as 2644.

[Religion 2545. Religion and Social Theory: Seminar]

Catalog Number: 2728

David Little (Divinity School)

Half course (spring term). Hours to be arranged.

Our focus is the writings of Max Weber together with the reactions of his critics and defenders. Relevance to topics such as “secularization,” “religious nationalism,” and “cultural relativism.”

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 2813.

Graduate Courses of Reading and Research



***Religion 3505 (formerly *Religion 3505hf). Colloquium in American Religious History**

Catalog Number: 6445 Enrollment: Limited to 20.

Ann D. Braude (Divinity School) 2792 and David D. Hall (Divinity School) 2510 (fall term only) 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

For Undergraduates and Graduates

[Religion 1600. Introduction to Hinduism]

Catalog Number: 9700

Anne E. Monius (Divinity School)

Half course (fall term). Hours to be arranged.

This course provides a general introduction to the complex range of religious phenomenon conventionally referred to by the term "Hinduism." Drawing from the intellectual resources of history, literature, philosophy, ethnography, and film, topics will include Hinduism's "reflexive" relationship with Jainism and Buddhism, philosophical speculation in the *Upanisads*, literary representations of dharma in the *Mahabharata* and *Ramayana*, Hindu traditions of devotion, and the impact of modernity in the construction of Hinduism as a religion.

Note: Expected to be given in 2008–09. 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 (fall 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). Hours 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, we explore a variety of devotional literatures 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 2008–09. Offered jointly with the Divinity School as 3406.



Religion 1636. Hinduism Through the Modern Novel - (New Course)

Catalog Number: 5069

Anne E. Monius (Divinity School)

Half course (fall term). M., W., at 11 and additional hour 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: Offered jointly with the Divinity School as 3411.

[Religion 1645. Sacred Space and Pilgrimage in India: Seminar]

Catalog Number: 6483

Diana L. Eck

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

This seminar will consider the structure of sacred space and sacred landscape in India; Hindu places of pilgrimage -rivers, mountains, regional and all-India shrines; places of shared pilgrimage -Hindu, Sikh, Muslim, Christian; and ethnographies of regional pilgrimage traditions.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3852.

[Religion 1650. Modern Hindu Movements: Seminar]

Catalog Number: 5120 Enrollment: Limited to 15.

Diana L. Eck

Half course (spring term). Hours to be arranged.

Readings in 19th and 20th century Hindu movements, investigating the many kinds of teachers, writings, and movements that have come to comprise modern "Hinduism." Consideration of such thinkers, teachers, and activists as Dayananda, Vivekananda, Gandhi, Sarvarkar, and Radhakrishnan and such groups as the Arya Samaj, Gandhian movements, Swadhyaya, the R.S.S., the Vishva Hindu Parishad. A consideration of post-colonial perspectives on the emergence of modern Hinduism.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3877.

Religion 1660. Reading Hindu Texts Interreligiously III: Sankara on the Brhadaranyaka Upanisad - (New Course)

Catalog Number: 3842 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (fall term). W., 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 Upanisad, Sankara's commentary (and excerpts from Suresvara's Vartikas), will be read along with select, brief examples from Christian commentarial literature. No language or course prerequisites, but students will be encouraged to make use of any such expertise.

Note: Offered jointly with the Divinity School as 3928.

Prerequisite: No language or course prerequisites, but students will be encouraged to make use of any such expertise.



Religion 1661. Religion Reading Hindu Texts Interreligiously IV: Yoga Sutras of Patanjali - (New Course)

Catalog Number: 8002 Enrollment: Limited to 15.

Francis X. Clooney (Divinity School)

Half course (spring term). W., 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 Yoga Sutras will be read along with excerpts from texts such as the Spiritual Exercises of Ignatius Loyola. No language or course prerequisites, but students will be encouraged to make use of any such expertise.

Note: Offered jointly with the Divinity School as 3931.

Prerequisite: No language or course prerequisites, but students will be encouraged to make use of any such expertise.

Cross-listed Courses

[Foreign Cultures 12. Sources of Indian Civilization]

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage

[Moral Reasoning 80. The Good Life In Classical India] - (New Course)

Buddhism

For Undergraduates and Graduates

Religion 1701. Introduction to Buddhist Scriptures and Their Critical Interpretations - (New Course)

Catalog Number: 5996

Charles Hallisey

Half course (spring term). Tu., Th., at 9 and one 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 HDS 3836.

Religion 1702. The Buddha in Myth, Image, and Ritual - (New Course)

Catalog Number: 8138

Donald K. Swearer (Divinity School)

Half course (fall term). W., 3–6. EXAM GROUP: 8, 9

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 1703. Theravada Buddhist Traditions]

Catalog Number: 6151

Donald K. Swearer (Divinity School)

Half course (fall term). Tu., Th., at 9, and an hour to be arranged. EXAM GROUP: 11

The Theravāda Buddhist traditions of South and Southeast Asia are often contrasted with Mahāyāna and Tantrayāna expressions of Buddhism in Central and East Asia as doctrinally and ritually narrow and conservative. This course contests this characterization by uncovering the richness and diversity of Theravāda thought and practice against the historical and contemporary backdrop of Sri Lanka and mainland Southeast Asia.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3573.

[Religion 1705. Buddhism in Tibet]

Catalog Number: 7192

Janet Gyatso (Divinity School)

Half course (spring term). Hours to be arranged.

Distinctive traditions of Tibetan Buddhism in their historical contexts. Topics include: practices and theories on the ethics of compassion, visionary meditations; tantric yoga and physiologies; medical traditions; death and reincarnation practices; magic and state rituals; the creation of sacred landscape; religious authority and discipline; and cultures of writing, learning and painting. Throughout the course we will consider the relation of these religious practices to the historical development of Tibetan cultures, Buddhist institutions, and state formations.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3563.

[Religion 1715. Buddhism, Ecology, and the Sacred Mountain Traditions of Asia: Seminar]

Catalog Number: 8856

Donald K. Swearer (Divinity School)

Half course (spring term). Hours to be arranged.

The seminar will first examine the growing body of literature in the field of Buddhism and ecology: attempts to construct an environmental ethic from the Buddhist worldview, and critical responses to what has been termed, “eco-Buddhism”. Subsequently it will focus on a feature of the natural environment that has figured prominently in the Asian Buddhist imagination, namely, sacred mountains, the relationship between nature and the lived environment, and the natural environment as both contested and threatened space.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3574.

[Religion 1720. Moral Anthropology: Buddhist Insights - \(New Course\)](#)

Catalog Number: 1582 Enrollment: Limited to 25.

Charles Hallisey

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

An exploration of the contribution of Buddhist resources to critical reflection on moral anthropology. Buddhist materials will be drawn from the Theravadin and Jodo Shinshu traditions.

Note: Offered jointly with the Divinity School as HDS 3837.

[Religion 1725. Buddhism and Social Change: Seminar]

Catalog Number: 4517 Enrollment: Limited to 15.



Christopher S. Queen

Half course (fall term). Hours to be arranged.

This survey of Buddhist social teachings examines the evolution of central concepts (impermanence, selflessness, suffering), ethical styles (discipline, virtue, altruism, engagement), and themes (peace, justice, gender, ecology) in Asia and the West. We consider representative figures and movements in the rise of socially engaged Buddhism since the 19th century.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3853.

Prerequisite: Previous study of Buddhism.

Religion 1726. Buddhism in America: Seminar

Catalog Number: 4292 Enrollment: Limited to 15.

Christopher S. Queen

Half course (fall term). W., 1–3.

The transmission of Buddhist teachings and institutions to the West. A survey of Buddhist thinkers and movements since the 19th century, with primary attention to America: immigrant Buddhist communities, Transcendentalists and Theosophists, Pragmatist and Process philosophers, the “beat” generation, and recent Zen, Tibetan, and Theravada developments. Topics for discussion and research include tradition and transformation, socially engaged Buddhism and environmentalism, feminism, peace activism, and the dialogue with other faiths.

Note: Separate requirements for undergraduate and graduate students. Offered jointly with the Divinity School as 3851.

Prerequisite: Knowledge of Asian Buddhism.

Religion 1752. Buddhist Logic and Epistemology: In the Wake of Dignaga - (New Course)

Catalog Number: 2905 Enrollment: Limited to 12.

Parimal G. Patil

Half course (fall term). F., 3–5. EXAM GROUP: 8, 9

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.

Religion 1753. Buddhism Against Itself - (New Course)

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: Offered jointly with the Divinity School as HDS 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). Hours to be arranged.

This is an advanced seminar for multidisciplinary Buddhist Studies. The topic of the seminar changes from year to year. Recent topics have included Buddhist monasticism, Buddhist tantra, and the state of the field of Buddhist Studies.

Note: Expected to be given in 2008–09. 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 2760. Buddhism and Its Critics]

Catalog Number: 7232

Parimal G. Patil

Half course (fall term). Tu., 5–7 p.m. EXAM GROUP: 18

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 2008–09. Offered jointly with the Divinity School as 3867.

Cross-Listed Courses

Islam

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). W., 3–5. EXAM GROUP: 8, 9

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 2008–09. Offered jointly with the Divinity School as 3620.

Prerequisite: An introductory course in Islam or equivalent helpful but not essential.

[Religion 1803. Introduction to the Qur'an - \(New Course\)](#)

Catalog Number: 6082

Fariid Esack (Divinity School)

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

This course examines approaches to the Qur'an and its exegesis as an historical document and as the foundational text of Muslim believers. It considers the contested history of the text, notions of revelation, key genres of Qur'anic Studies (abrogation, occasions of revelation, variant



readings). Finally, it deals with major Qur'ani themes, their appropriation by claimants to religious authority, and the role of the text in the social and religious lives of Muslims.

Note: Offered jointly with the Divinity School as 3609.

[Religion 1806. The Vocabulary of Islam]

Catalog Number: 1701

M. Shahab Ahmed

Half course (spring term). Tu., Th., at 1. EXAM GROUP: 15

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: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3978. Not open to auditors.

[Religion 1810. Representations of the Prophet Muhammad through History: Seminar]

Catalog Number: 0074

M. Shahab Ahmed

Half course (spring term). Hours to be arranged.

An introduction to the different ways in which Muhammad and his prophethood have been remembered, constructed, understood, and represented in Islamic and non-Islamic discourses from the earliest period of Islam to the present day, including: Muhammad in the Quran and exegesis, in Hadith, in epic biography, in theology, in philosophy, in Sufism, in devotional and popular literatures, in medieval and early modern Europe, in modern Orientalism, in modern Muslim discourses, in theatre, film, fiction, and in art.

Note: Expected to be given in 2008–09. Not open to auditors. Offered jointly with the Divinity School as 3972.

Prerequisite: At least one previous course on Islam.

***Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies**

Catalog Number: 2741 Enrollment: Limited to 20.

Ali S. Asani

Half course (fall term). Th., 3–5; M., 7–8:30 p.m.; M., 7–8:30 p.m.; M., 7–8:30 p.m.; M., 7–8:30 p.m.; M., 7–8:30 p.m.; M., 7–8:30 p.m.

A survey of the development of Muslim communities in the Indian subcontinent focusing on an exploration of religious identity. Issues and themes salient to Islamic identity considered within religious and political contexts, as well as the broader context of South Asian culture as expressed in language, literature, and the arts. Also examines the uses of the term “Islamic” and the lived experience of being Muslim in various pre-modern and modern discourses in South Asia.

Note: Offered jointly with the Divinity School as 3625.

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). Th., 3–6.

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 1830. Introduction to Contemporary Islam - (New Course)

Catalog Number: 6541

Fariel Esack (Divinity School)

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

This course aims to provide knowledge of and insights into debates in the Muslim world around the encounter with modernity and post-modernity as Muslims struggle to remain faithful to tradition as well as to their own greater awareness of the inalienability of human rights and the inter-relatedness of the destiny of humankind. Issues considered include tradition and authority; democracy, pluralism and human rights; jihad and peace; gender, sexual identity and HIV / AIDS.

Note: Offered jointly with the Divinity School as 1830.

Religion 1842. Religion, Gender, Identity: Readings in Arab and Muslim Autobiography: Seminar

Catalog Number: 4518

Leila N. Ahmed (Divinity School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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: Offered jointly with the Divinity School as 3616.

Religion 1851. The Female Body and Islam: Religious Doctrines in Changing Societies - (New Course)

Catalog Number: 9688

Baber Johansen (Divinity School)

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

The Koran has developed rules of the gaze on men's and women's bodies. The ethical and legal rules of the Muslim *fiqh* have developed a very different *protocol of the gaze*. Muslim debates of the last thirty years attribute to the female body a fundamental role for the survival of a strongly gendered religious society and try to reinterpret the Islamic heritage in the light of new social requirements.

Note: Offered jointly with the Divinity School as 3629.

Cross-listed Courses



[**African and African American Studies 188. Islam in Sub-Saharan Africa - \(New Course\)**](#)
[**\[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies\]**](#)
[**Humanities 18 \(formerly Religion 1801\). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures**](#)

Primarily for Graduates

[Religion 2841. Orthodoxy: Religion, Truth, and Authority: Seminar]

Catalog Number: 5529

M. Shahab Ahmed

Half course (fall term). W., 2–5. EXAM GROUP: 7, 8, 9

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 2008–09. Offered jointly with the Divinity School as 3979. Open to advanced undergraduates. Not open to auditors.

Cross-listed Courses

[Arabic 230a. Hadith I: Seminar]

[Arabic 230b. Hadith II: Seminar]

[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**](#)

Chinese and Japanese Religions

Cross-listed Courses

[**Chinese History 251. Confucian Ethics: Conference Course**](#)

[**\[East Asian Studies 140. Major Religious Texts of East Asia\]**](#)

[**Foreign Cultures 94. Buddhism and Japanese Culture - \(New Course\)**](#)

[**Historical Study A-13. China: Traditions and Transformations**](#)

[**Historical Study A-14. Japan: Tradition and Transformation**](#)

[**\[Japanese History 115. Religion and Society in Edo and Meiji Japan\]**](#)

[**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**](#)

Graduate Courses of Reading and Research

***Religion 3000. Direction of Doctoral Dissertations**

Catalog Number: 1933



Ryuichi Abe 4974 (on leave spring term), Ali S. Asani 7739, Wallace D. Best (Divinity School) 5092, François Bovon (Divinity School) 3551, Sarah Coakley (Divinity School) 1873, 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. (Divinity School) 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Helen Hardacre 3191 (on leave fall term), Jay M. Harris 2266, Albert Henrichs 4085, Evelyn Brooks Higginbotham 3517, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473 (on leave 2007-08), James T. Kloppenberg 3157, Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465 (on leave 2007-08), 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 (on leave fall term), Laura S. Nasrallah 4834, 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 (on leave fall term)

Note: May also be taken with other instructors, when authorized by the Chair.

***Religion 3001. Reading and Research**

Catalog Number: 7954

Ryuichi Abe 4974 (on leave spring term), Ali S. Asani 7739, Wallace D. Best (Divinity School) 5092, François Bovon (Divinity School) 3551, David L. Carrasco (FAS, Divinity School) 4213, 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. (Divinity School) 4156, Janet Gyatso (Divinity School) 4243, David D. Hall (Divinity School) 2510, Helen Hardacre 3191 (on leave fall term), Jay M. Harris 2266, Evelyn Brooks Higginbotham 3517, Beverly M. Kienzle (Divinity School) 2452, Karen L. King (Divinity School) 4217, Arthur Kleinman 7473 (on leave 2007-08), James T. Kloppenberg 3157, Helmut H. Koester (Divinity School) 3477, Smita Lahiri 4465 (on leave 2007-08), David Lamberth (Divinity School) 3714, Jon D. Levenson (Divinity School) 2264, David Little (Divinity School) 2793, 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 (on leave fall term), Laura S. Nasrallah 4834, Parimal G. Patil 4478, Kimberley C. Patton (Divinity School) 3306, Stephanie A. Paulsell (Divinity School) 5382, Elisabeth Schüssler Fiorenza (Divinity School) 3193, Ronald Thiemann (Divinity School) 3395, Wei-Ming Tu 7233, and Leonard W. J. van der Kuip 1556 (on leave fall term)

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

Luis Fernández-Cifuentes, Robert S. and Ilse Friend Professor of Romance Languages and Literatures, Harvard College Professor (*Chair*)

Janet Beizer, Professor of Romance Languages and Literatures (*Director of Graduate Studies in French*)

Carole Bergin, Preceptor in Romance Languages and Literatures

Matilda T. Bruckner, Visiting Professor of Romance Languages and Literatures (*Boston College*)

Marie-France Bunting, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in French*)

Kimberlee Campbell, Professor of the Practice of Romance Languages and Literatures (*Director of Language Programs in Romance Languages and Literatures*)

Luis E. Cárcamo-Huechante, Associate Professor of Romance Languages and Literatures (*on leave fall term*)

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 (*on leave 2007-08*)

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

Arnaldo Cruz-Malavé, Visiting Associate Professor of Romance Languages and Literatures (*Fordham University*) (*spring term only*)

Elvira G. DiFabio, Senior Preceptor in Romance Languages and Literatures (*Associate Director of Undergraduate Studies and Undergraduate Adviser in Italian*)

Alexia E. Duc, Assistant Professor of 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*)

Teresa Fiore, Lauro De Bosis Visiting Assistant Professor of Romance Languages and Literatures (*fall term only*)

Chiara Frenquellucci, Preceptor in Romance Languages and Literatures

Mary M. Gaylord, Sosland Family Professor of Romance Languages and Literatures (*Undergraduate Adviser in Romance Studies and Director of Undergraduate Studies*)

Nina Gerassi-Navarro, Visiting Associate Professor of Romance Languages and Literatures, Visiting Scholar in Romance Languages and Literatures



Luis M. Girón Negrón, Professor of Romance Languages and Literatures and of Comparative Literature (*on leave spring term*)
Virginie Greene, Professor of Romance Languages and Literatures, Harvard College Professor (*on leave 2007-08*)
Ernesto E. Guerra, Preceptor in Romance Languages and Literatures
Adriana Gutiérrez, Preceptor in Romance Languages and Literatures
Nina C. de W. Ingrao, Senior Preceptor in Romance Languages and Literatures
Francis Abiola Irele, Visiting Professor of African and African American Studies and of 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 (*Undergraduate Adviser in Portuguese*)
Virginia Krause, Visiting Associate Professor of Romance Languages and Literatures (*Brown University*) (*fall term only*)
David P. LaGuardia, Visiting Professor of Romance Languages and Literatures (*Dartmouth College*) (*spring term only*)
Johanna Damgaard Liander, Senior Preceptor in Romance Languages and Literatures (*Undergraduate Adviser in Spanish*)
Maria Grazia Lolla, Lecturer on Romance Languages and Literatures
Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature
Giuliana Minghelli, Lecturer on Romance Languages and Literatures (*on leave 2008-09*)
Marlies Mueller, Senior Preceptor in Romance Languages and Literatures
Lino Pertile, Harvard College Professor and Carl A. Pescosolido Professor of Romance Languages and Literatures (*on leave 2007-08*)
Mylène Priam, Assistant Professor of Romance Languages and Literatures
José Rabasa, Visiting Professor of Romance Languages and Literatures, Visiting Scholar in Romance Languages and Literatures (*University of California, Berkeley*) (*fall term only*)
Nicolau Sevcenko, Visiting Professor of Romance Languages and Literatures (*Universidade de São Paulo*) (*spring term only*)
Mariano Siskind, Assistant Professor of Romance Languages and Literatures (*Undergraduate Adviser in Latin American Studies*)
Doris Sommer, Ira Jewell Williams, Jr. Professor of Romance Languages and Literatures and of African American Studies (*Director of Graduate Studies in Spanish*)
Diana Sorensen, James F. Rothenberg Professor of Romance Languages and Literatures and of Comparative Literature, Dean for the Humanities
Susan R. Suleiman, C. Douglas Dillon Professor of the Civilization of France and Professor of Comparative Literature
Victor Miguel Vich, Visiting Scholar in the David Rockefeller Center for Latin American Studies, Visiting Associate Professor of Romance Languages and Literatures
Sergio Zatti, Visiting Professor of Romance Languages and Literatures (*University of Pisa*) (*spring term only*)

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 Buittenwieser 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 40-97 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, 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 staff

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 staff

Half course (spring term). M., Tu., Th., at 4. EXAM GROUP: 9, 18

Intermediate course introducing students to Catalan culture and boosting their oral and writing skills through a wide range of resources: Internet, television, radio, cinema, and music. Activities include in-class and on-line discussion, role-playing, audio and video recordings, 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 staff



Half course (fall term; repeated spring term). Fall: 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

Marlies Mueller and staff

Full course (indivisible). Five meetings a week. Sections M. through F., at 9, 10, 11, 12, and 1.

EXAM GROUP: Fall: 10; Spring: 2, 11

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. 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

Marlies Mueller and staff

Half course (fall term; repeated spring term). Fall: Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1.; Spring: Tu., Th., 10–11:30. EXAM GROUP: 12, 13, 14

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 Enrollment: Limited to 15 students per section.

Marlies Mueller and staff

Full course (spring term). Section I: M. through F., at 10 and Tu., Th., at 11. Section II: M., W., F., at 12 and Tu., Th., 1–3. EXAM GROUP: 3, 5, 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. Interested students should fill out the on-line request form on the French Bab website by the beginning of the fall term 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 staff

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.

French Cb. Intermediate French II: Voyage linguistique à travers la Francophonie

Catalog Number: 6343

Carole Bergin and staff

Half course (spring term). Three weekly meetings: Sections M., W., F., at 10, 11, 12, or 1.

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'Être humain et son univers

Catalog Number: 8781

Marlies Mueller and staff

Half course (fall term; repeated spring term). Sections M., W., F., at 10, 12, or 1. EXAM

GROUP: 3, 5, 6

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 27. Oral Expression I: Le Français parlé]

Catalog Number: 3060

----- and staff

Half course (fall term; repeated spring term). Fall: M. through F., at 9 or 12. Spring: M. through F. at 9. EXAM GROUP: 2, 11

Emphasizing speech strategies, useful vocabulary, idiomatic expressions, and listening comprehension, this course helps students develop oral fluency while learning about contemporary France and Francophone countries. Films, music, news media, and Internet resources offer virtual linguistic and cultural immersion, and provide material for in-class discussions and special activities. After a term of French 27, students should feel comfortable speaking French and have confidence to handle any situation commonly encountered in a French-speaking environment.

Note: Expected to be given in 2008–09. Conducted in French. May not be used to fulfill the language requirement. May not be audited or taken Pass/Fail, but may be taken Sat/Unsat by GSAS students. See details and section on-line on the French 27 website.

Prerequisite: A grade of A- or better in French A or Bab, or B in French Ca with language requirement completed; or B in French Cb; or 600-659 on the SAT II test or the Harvard Placement test; or permission of course head.

French 31. Oral Expression II: La France à travers les médias

Catalog Number: 0490

Carole Bergin and staff

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 or 27; 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

Marlies Mueller and staff

Half course (fall term; repeated spring term). Sections: M., W., F., at 10, 11 or 12. EXAM GROUP: 3

Course in French language and culture designed to enhance facility in all language skills. Considers representations of self 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, Duras, Hugo, Leconte, Rouan, Truffaut, Vercors. Complete grammar review, vocabulary building, emphasizing idiomatic subtleties and social etiquette in oral and written communication.

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 staff

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Advanced course in French language and literature structured to develop near-native fluency in written and oral expression. 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. Consolidating grammatical structures, vocabulary building, intensive stylistic exercises.

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, 27, 31 or 35; 690 on the SAT II test or the Harvard Placement test; or permission of course head.



French 37. Les régions de France: hier et aujourd'hui

Catalog Number: 7909

Marie-France Bunting and staff

Half course (fall term). Sections M., W., F., at 11 or 12. EXAM GROUP: 4, 5

A journey through various regions of France surveying the present and past identities of Bretagne, Alsace, Provence, Dordogne, and Périgord, through history, folklore, gastronomy, art, music, and regional literature. Resources for class discussions include current articles from the French press, historical, sociological and literary writings as well as films and video documents. Emphasis on oral communication. An advanced grammar review is offered along with practice in writing and vocabulary enrichment.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 30s.

Prerequisite: French 31, 35 or 36; 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

Mylène Priam and staff

Half course (spring term). Section I: Tu., Th., 10-11:30; Section II: Tu., 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 47b. La Société française à travers les âges

Catalog Number: 6222

Marie-France Bunting

Half course (fall term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3, 5

Aims to improve all linguistic skills while providing an historical survey of France from the Middle Ages to the end of the 19th century. Discussion will focus on prominent figures, social archetypes and major events that contributed to the formation of a national identity. Readings from historical, literary and sociological sources, and films. Active use of the language in class and practice in writing will be emphasized.

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, or 42; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 48b. Contemporary French Society

Catalog Number: 8290

Marie-France Bunting and staff



Half course (spring term). Sections M., W., F., at 10 or 12. EXAM GROUP: 3

Designed to develop greater linguistic fluency while introducing students to major debates in French society today. Themes to be explored include: family, gender, the education system, urban problems and social stratification, immigration, and French politics. Students will participate in discussions based on readings from the French press as well as from sociological and literary sources. Films and video documents closely related to the course material will emphasize the social, cultural and human aspects.

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, 45, or 47b; 750 on the SAT II or the Harvard placement test; or permission of course head.

French 51. Writing Workshop: Atelier d'écriture

Catalog Number: 0575 Enrollment: Limited to 15 per section.

Marie-France Bunting

Half course (fall term). M., W., 1–2:30; M., W., 1–2:30. EXAM GROUP: 6, 7

Aims to strengthen and develop competence in written expression. Using short stories, essays and sample texts drawn from history and philosophy, students learn to practice different styles in creative, argumentative, and analytical writings. Special emphasis is paid to stylistic variations, lexical nuances, and complex grammatical structures. In addition, each student presents several *explications de texte* (close reading of a text).

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 52. Advanced Oral Expression

Catalog Number: 2610

Marie-France Bunting

Half course (spring term). M., W., F., at 11 and 1. EXAM GROUP: 4

Designed for students interested in working with the specificity of oral French in order to improve their comprehension, fluency, syntactic accuracy, and pronunciation. The aim of the course is: to fine-tune listening comprehension; to develop linguistic skills in presenting oneself, expressing emotions, debating, negotiating, etc.; and to improve pronunciation. Authentic materials on video cassettes will be used as models. In addition to practical and corrective work, students will participate collectively in a theatrical production.

Note: Conducted in French. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 50s.

Prerequisite: French 37, 42, 47b, or 48b; 750 on the SAT II or the Harvard placement test; or permission of course head. Recommended for concentrators and joint concentrators.

French 55 (formerly French 45). Le Français économique et commercial

Catalog Number: 7122

Carole Bergin and staff

Half course (spring term). Section I: Tu., Th., 10–11:30; Section II: Tu., Th., 11:30–1. EXAM GROUP: 12, 13, 14



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 70a. Introduction to French Literature I: From the Middle Ages to Modernity

Catalog Number: 2865

Alexia E. Duc

Half course (spring term). M., W., F., at 11. 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.

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: Representations of Change From the Romantics to the Present

Catalog Number: 6720

Janet Beizer

Half course (fall term). Th. 1-3. EXAM GROUP: 15, 16

Significant texts from the nineteenth and twentieth centuries examined in the light of close reading and contemporary criticism.

Note: Conducted in French; third hour devoted to discussion of texts studied.

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

Francis Abiola Irele

Half course (spring term). Tu., Th., at 3. EXAM GROUP: 17

Studies short stories, poetry, film, and drama from Black Africa, Québec, Martinique, Guadeloupe, French Guyana, Vietnam, Algeria, Morocco, Tunisia, Madagascar, Djibouti, and La Réunion.

Note: Conducted in French.

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

Marie-France Bunting 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

Marie-France Bunting and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of French 98 is required of all honors concentrators.

***French 99. Tutorial—Senior Year**

Catalog Number: 2836

Marie-France Bunting and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: For honors seniors writing a thesis. The first term may be counted as a half course only with the permission of the Undergraduate Adviser in French. 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. To enroll, see Marie-France Bunting, Undergraduate Adviser.

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

***Freshman Seminar 31o. Negotiating Identity in Postcolonial Francophone Africa and the Caribbean**

***Freshman Seminar 36z. Utopia and Anti-Utopia**

[Literature and Arts A-47. The Perfect Tale: The Art of Storytelling in Medieval France]

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

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, introduces basic phonology and morphology, 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 2008–09. Conducted in French. Required of all graduate students in French.

French 111. Violence: Medieval French Responses - (New Course)

Catalog Number: 5324

Matilda T. Bruckner (Boston College)

Half course (fall term). Tu., 4–6. EXAM GROUP: 18

Explores the relationship between violence, culture, and human nature in a selection of texts (12th-13th c.). Problems include vendettas and the pursuit of justice, militant religion and social order in feudal society.

Note: Conducted in French.

[French 112. From the Troubadour to the “Grand Rhétoricien”: Lyric Poetry in Medieval France (12th to 15th Century)]

Catalog Number: 5007

Virginie Greene

Half course (spring term). Hours to be arranged.

Medieval poets created both new poetic forms and new figures of poets. Singers, writers, composers, lovers, dreamers, rhetoricians, moralists, and preachers: poets could be all of those. This course studies how their poetry grew from and elaborated upon the impulse “I have to sing” (*chanter m’estuet*) to become a highly self-conscious art of writing.

Note: Expected to be given in 2009–10. Conducted in French.

French 115. Animals, Monsters and the Medieval Imagination - (New Course)

Catalog Number: 3742

Matilda T. Bruckner (Boston College)

Half course (spring term). Tu., 4–6. EXAM GROUP: 18

Explores how animals, real and imaginary, help define our identity between overlapping boundaries of the natural and the unnatural, the human and the nonhuman. Readings range widely across genres from fables to tales to romance.

Note: Conducted in French.

[French 118. French Poetry: Pleiade and Baroque]

Catalog Number: 1142

Tom Conley

Half course (fall term). Hours to be arranged.



Takes up the impact of the Pléiade and the Lyon School on poetry in the Wars of Religion and their aftermath. Includes study of Scève, Marguerite de Navarre, Ronsard and his school, Jodelle, Desportes, D'Aubigné, Tyard, Sponde, Chassignet, Tristan l'Hermite, Malherbe and the early Corneille. Emphasis placed on the relation of lyric to space and nascent science.

Note: Expected to be given in 2009–10. Conducted in French.

French 119. Renaissance Literature: Radically Pre-Modern - (New Course)

Catalog Number: 2160

Virginia Krause (Brown University)

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

An exploration of literature from this stormy period in French history, from the birth of Humanism to the Wars of Religion and the witch hunts. Close readings in cultural context. Topics include court culture, ethics, and the history of the book as well as Renaissance notions of Eros, the sacred, and the "human." Readings in Rabelais, Marot, Marguerite de Navarre, Ronsard, Hélienne de Crenne, Louise Labé, and Montaigne, among others.

Note: Conducted in French.

[French 121. The Text of the Renaissance]

Catalog Number: 4006

Tom Conley

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2008–09. Conducted in French.

French 126. Literature and Humanism in the 17th Century I: The Courtier, the Hero and the Saint

Catalog Number: 6971

Alexia E. Duc

Half course (spring term). W., 2–3:30. EXAM GROUP: 7, 8

An exploration of the relations between ethics and writing in the 17th century. The readings focus on three major figures of the period (the courtier, the hero, and the saint) in order to analyze the humanist legacy of the Renaissance in the times of absolutism and the relationships between literary genres and anthropology. Readings include: d'Urfé, Caussin, Sales, Charron, Corneille, Mairé, Cyrano de Bergerac, Retz, Molière.

Note: Conducted in French.

French 132a. 20th-Century French Fiction I: The Realist Mode

Catalog Number: 4382

Susan R. Suleiman

Half course (fall term). W., 4–6. EXAM GROUP: 9

How has realism been interpreted by its major modern practitioners in French? Is realism in fiction a style, a genre, an ideology, a way of seeing, a way of reading? What is the relation between realism and history, politics, sexual politics, and ethics? Discussions of works by Colette, Gide, Céline, Malraux, Sartre, Camus, Beauvoir, and others, as well as selected critical



and theoretical essays.

Note: Conducted in French.

[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 2009–10. Conducted in French.

[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 2009–10. Conducted in English.

Prerequisite: Excellent reading knowledge of French.

French 137. 20th-Century French Theater

Catalog Number: 4065

Susan R. Suleiman

Half course (spring term). M., 2–4:30. EXAM GROUP: 7, 8, 9

We explore the richness and variety of French theatrical writing and theory, starting with Jarry’s groundbreaking *Ubu Roi* (1896); special emphasis on experimental and avant-garde productions. Discussion of works by Jarry, Apollinaire, Artaud, Sartre, Beckett, Genet, Ionesco, Duras, Cixous, and others.

Note: Conducted in French.

[French 139a. The 18th Century: Self and Society]

Catalog Number: 3637

Christie McDonald

Half course (spring 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.

Note: Expected to be given in 2008–09. Conducted in French.



French 139b. The 18th Century: Ethical Dilemmas

Catalog Number: 2223

Christie McDonald

Half course (spring term). Tu., 1–3. 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 156. Houses of Fiction: Zola - (New Course)

Catalog Number: 7443

Janet Beizer

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Zola's novels, closely tied to the private sphere, focus on physical and psychological enclosures. These inner realms include not only the home, but also such competing spaces as houses of prostitution, commercial houses, houses of worship, prison houses, poorhouses, and madhouses - houses that potentially subvert the sanctity of bourgeois home and hearth even while miming their form. Reading Zola, we'll probe connections between the naturalist novel and the social and aesthetic production of domestic space.

Note: Conducted in French.

[French 161. Rereading Realism]

Catalog Number: 1729

Janet Beizer

Half course (spring term). Hours to be arranged.

Is Realism real? Is Naturalism natural? As we read Realist and Naturalist texts, we will consider how ideological and aesthetic conventions of the “real” and the “natural” interacted with literary movements of the second half of the nineteenth century, focusing particularly on texts that represent representation. Readings will include Balzac, Flaubert, Huysmans, Zola, and Rachilde.

Note: Expected to be given in 2009–10. Conducted in French.

French 165. Marcel Proust

Catalog Number: 4620

Christie McDonald

Half course (spring term). Th., 4–6. EXAM GROUP: 18

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: Conducted in French.

French 167. Parisian Cityscapes

Catalog Number: 7641

Verena A. Conley

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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 (Allouache, Augé, Balibar, Beauvoir, Beyala, Godard, Kassovitz, Maspero, Latour, Ross, and others).

Note: Conducted in French.

French 175. Julia Kristeva: Can Literature Still Change the World?

Catalog Number: 7207

Alice Jardine

Half course (fall term). Tu., Th., at 10. EXAM GROUP: 12

A textual and political introduction to one of the most important intellectuals of the 20th century as well as an attempt to draw some conclusions about the promises of her work for the future. Designed for both undergraduates and graduate students looking to understand and evaluate the import of art and literature on the world stage. Special attention will be paid to the question of gender and women in Kristeva's writings.

Prerequisite: Excellent reading knowledge of French.

French 185. National Identity and Narrative Representation in 20th-Century Francophone Literature - (New Course)

Catalog Number: 5070

Mylène Priam

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 187. The Contemporary Antillean Novel in French - (New Course)

Catalog Number: 7775

Mylène Priam

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Looks at some of the major texts that played a critical role in building and developing the Antillean literary landscape. The Caribbean geography, mutation of the milieu, notions of memory and history are some of the aspects that will be observed. Selected novels and critical essays from Haiti, Martinique and Guadeloupe.

Note: Conducted in French.

[French 190. Albert Camus]

Catalog Number: 7510

Stanley Hoffmann

Half course (spring term). Hours to be arranged.

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, the 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: Expected to be given in 2008–09. Conducted in French.

French 195 (formerly French 277). The African and Caribbean Novel in French: Comparative Perspectives

Catalog Number: 5245

Francis Abiola Irele

Half course (fall term). M., 4–6. EXAM GROUP: 9

Examines a representative selection of novels by Francophone African and Caribbean novelists, and evaluates the development of the narrative genre that has arisen from the double heritage of the oral tradition and the literate conventions of the West.

Note: Conducted in French.

Prerequisite: Solid reading knowledge of French.

Cross-listed Courses

[African and African American Studies 185. Perspectives on the African Novel]

[*History of Art and Architecture 173m. The Early Modern Artist]

History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century

***Literature 104. On Theory**

[*Literature 140 (formerly *Literature 128). Performing Texts]

[*Literature 150 (formerly *Literature 140). Colonial and Post-Colonial Spaces: France-North Africa]

Visual and Environmental Studies 170 (formerly 174c). Film and Photography, Ontology and Art

Visual and Environmental Studies 190f. Contemporary French Cinema

Primarily for Graduates

[French 213. In Search of a Medieval Subject]

Catalog Number: 0952

Virginie Greene

Half course (spring term). Hours to be arranged.

We will read various medieval authors ranging from Augustine to Christine de Pizan to identify a medieval subjectivity. Modern texts on subjectivity (by Hegel, Sartre, and others) will be used as a counterpoint.

Note: Expected to be given in 2009–10. Conducted in French. Open to qualified undergraduates.

French 220. Writing and Memory in the French Wars of Religion - (New Course)

Catalog Number: 2666

David P. LaGuardia (Dartmouth College)

Half course (spring term). F., 1–3:30. EXAM GROUP: 6, 7, 8

These late sixteenth-century wars devastated France, bankrupting the nobility, and killed



thousands, nevertheless provoking a wealth of memorial, propagandistic, poetic, essayistic, and polemical writing, influenced by revolutionary practices of printing, publishing, and bookselling.
Note: Open to qualified undergraduates. Conducted in French.

[French 238. Failure and Change: Rereading Enlightenment]

Catalog Number: 2066

Christie McDonald

Half course (fall term). Hours to be arranged.

Analysis of crossover between discourses: religious, political, social, philosophical, and literary. Topics include authority, freedom, equality, sentiment, reason, libertinism, fanaticism, and tolerance. 18th-century readings: Kant, Rousseau, Sade, Voltaire, etc.; 20th-century European and American debates about Enlightenment.

Note: Expected to be given in 2008–09. Conducted in French.

French 242. Jean-Jacques Rousseau - (New Course)

Catalog Number: 8898

Christie McDonald and Stanley Hoffmann

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

A broad sweep of Rousseau's anthropological, literary, social and political, as well as the autobiographical works. Discussion focused on key themes such as the relation between sentiment and reason, nature and culture, independence and dependence. Readings include the *Discours*, the *Contrat social*, *Emile*, *Nouvelle Héloïse*, and *Les Confessions*.

Note: The language of class discussion will be determined.

Prerequisite: An excellent reading knowledge of French.

[French 255. Metamorphoses of the Vampire]

Catalog Number: 3630

Janet Beizer

Half course (spring 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 2009–10. Conducted in French or English.

French 256. Sand, Colette, and the Mothers of Invention

Catalog Number: 3546

Janet Beizer

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Women writing often seek legitimation through literary foremothers such as George Sand and Colette. We will explore the maternal imaginary as it plays out in novels and memoirs by Sand, Colette, and their critics.

Note: Conducted in French or English, to be determined by class composition. Readings in French.

[French 259. The Culture of Hysteria in Nineteenth-Century France]

Catalog Number: 3349



Janet Beizer

Half course (fall term). Hours to be arranged.

Reading medical and literary narratives of hysteria, we will ask why the disease flourished in this time and place, tracing hysteria as symptom of a cultural malaise. Readings in canonical and popular novels, medical encyclopedias and treatises.

Note: Expected to be given in 2009–10. Conducted in French or English, to be determined by class composition. Readings in French.

French 264. France in the World: Cultural Production, Transmission and Dialogue - (New Course)

Catalog Number: 5402

Susan R. Suleiman and Christie McDonald

Half course (fall term). Tu., 1–3; W., 7–10 p.m. EXAM GROUP: 15, 16

Works by French writers and artists who staged "encounters with the Other," and by non-French ones who have adopted French/France as their artistic home. Montesquieu, Diderot, de Stael, Chateaubriand, Leiris, Lévi-Strauss, Makine, Némirovsky, Semprun and others.

Note: Conducted in French or English, to be decided.

French 274. Hybridization, Intertextuality and Metissage in Literatures from Mauritius, La Reunion & the Caribbean - (New Course)

Catalog Number: 6398

Mylène Priam

Half course (fall term). Th., 3–6. EXAM GROUP: 17, 18

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.

[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 2009–10. Conducted in French. Open to qualified undergraduate students.

Cross-listed Courses

***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, Tom Conley 1908 (on leave 2007-08), Verena A. Conley 2250, Alexia E. Duc 3801, Virginie Greene 1007 (on leave 2007-08), Francis Abiola Irele 4354, Alice Jardine 7457, Christie McDonald 1160, Mylène Priam 5302, and Susan R. Suleiman 7234

***French 330. Direction of Doctoral Dissertations**

Catalog Number: 7843

Janet Beizer 3957, Tom Conley 1908 (on leave 2007-08), Verena A. Conley 2250, Alexia E. Duc 3801, Virginie Greene 1007 (on leave 2007-08), Francis Abiola Irele 4354, Alice Jardine 7457, Christie McDonald 1160, Mylène Priam 5302, and Susan R. Suleiman 7234

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 A. Beginning Italian](#)

Catalog Number: 4309

Elvira G. DiFabio and staff

Full course (indivisible). M. through F., sections at 9, 10, 11, 12 or 1. EXAM GROUP: Fall: 10
For students with little or no knowledge of Italian. Aims at achieving basic communication skills and vocabulary. Emphasis on oral expression and listening comprehension in the fall term, with increasing emphasis in the spring term on reading and writing. Introduction to Italian literature through short stories in the spring term. Course materials include complete software program for Italian grammar and vocabulary.

Note: Conducted in Italian. Students whose placement score does not entitle them to enter a more advanced course are assigned to Italian A. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian A website.

[Italian Ax. Reading Italian](#)

Catalog Number: 4015

Elvira G. DiFabio and staff

Half course (spring term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18



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.

Chiara Frenquellucci and staff (fall term); Elvira G. DiFabio and staff (spring term)

Full course (fall term; repeated spring term). Section I: M. through F., at 10 and Tu.,Th., at 11;

Section II: meets M., W., F., at 12 and Tu.,Th., 1–3. EXAM GROUP: 3, 12

A complete first-year course in one term for students with no knowledge of Italian. Speaking, listening, reading, and writing skills are all emphasized with class time focused on developing oral/aural skills. Selected readings from 20th-century authors.

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 Elvira Di Fabio, Undergraduate Adviser 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 in giallo, rosa e nero

Catalog Number: 3217

Chiara Frenquellucci and staff

Half course (fall term). Section I: M., W., F., at 12 and W., at 2; Section II: M., W., F., at 1 and W., at 3. EXAM GROUP: 5

Refines and expands knowledge of structures and vocabulary that students have acquired in beginning Italian, highlighting the functions of describing and comparing, making recommendations and talking about the past. Students are introduced to contemporary Italian culture through readings that include a mystery (un giallo), a romance (un rosa), and a gothic tale (un nero).

Note: Conducted in Italian. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Ca website.

Prerequisite: Italian A 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: Raccontiamo storie!

Catalog Number: 6805

Chiara Frenquellucci and staff

Half course (spring term). Section I: M., W., F., at 12 and W., at 2; Section II: M., W., F., at 1 and W., at 3. EXAM GROUP: 5, 6

A logical continuation of Italian Ca, with a grammar review highlighting the functions of talking about tastes, making hypotheses, and talking about the future. Content includes Calvino folktales



and Collodi's *Pinocchio*. Sophisticated written/oral communication through regular writing assignments, and a special project at the end of the term, normally the staging of a class rendition of *Pinocchio*.

Note: Conducted in Italian. Open to students whose placement score indicates a more advanced course, or as a continuation of Italian Ca. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian Cb website.

***Italian Dab. Italian through Documentaries**

Catalog Number: 7258 Enrollment: Limited to 15.

Chiara Frenquellucci and staff

Full course (fall term; repeated spring term). M., W., F., at 12, Tu., Th., 1–3. EXAM GROUP: Fall: 5; Spring: 5, 15, 16

A complete second-year course in one term for students with a basic knowledge of Italian. Speaking, listening, reading, and writing skills emphasized through the principal functions of communication. Focus on further developing oral/aural skills through viewing and creating documentaries about Italians and Italian Americans in the Boston area. Assignments include workbook exercises to refine the use of complex grammatical structures, weekly blog entries on each group's work in progress, and an end-of-term collaborative film project.

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 Elvira Di Fabio, Undergraduate Adviser for details. Conducted in Italian. Section on-line on the Italian Dab website.

Prerequisite: Italian A 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 staff

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

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: 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 staff

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

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, 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 staff

Half course (spring term). M., W., F., at 12. 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. Students read two complete novels and selections from two others, and view feature films on which they are based, 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 staff

Half course (spring term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18

Reading, analyzing and enacting plays by Carlo Goldoni, Eduardo De Filippo, Carmelo Bene and Nobel Prize-winners Luigi Pirandello and Dario Fo. Student preparation culminates in the production of a theatrical work at the end of the term.

Note: Conducted in Italian. Open to graduate students with permission of course head. May not be taken Pass/Fail but may be taken Sat/Unsat by GSAS students. Section on-line on the Italian 40 website.

Prerequisite: Italian 33 or higher, or permission of course head.

Italian 44. Advanced Italian: Effetto Commedia: What Makes Italians Laugh?

Catalog Number: 5776

Elvira G. DiFabio and staff

Half course (fall term). M., Th., 3–5. EXAM GROUP: 8, 9, 17, 18

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. Open to graduate students with permission of course head. 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). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 2008–09. 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 staff

Half course (spring 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 2008–09. 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 staff

Half course (fall term; repeated spring term). M., at 3, Th., 3–5. EXAM GROUP: 8, 17, 18

An advanced language course examining the Italian experience in the US. Promotes 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: Section online at the Italian 60 web site.

Prerequisite: Italian 36, 40 or above, a score of 750 on the Harvard Placement Test, or permission of course head.

Italian 83. Italian Popular Culture from '60 to '06 - (New Course)

Catalog Number: 4259

Giuliana Minghelli

Half course (spring term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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.

***Italian 91r. Supervised Reading and Research**

Catalog Number: 2287

Elvira G. DiFabio and staff

Half course (fall term; repeated spring term). Hours to be arranged.

Tutorial supervision of research on subjects not treated in regular courses.

***Italian 97. Tutorial—Sophomore Year**

Catalog Number: 1795

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Conducted in Italian. Successful completion of one term of Italian 97 is required of concentrators.

***Italian 98. Tutorial—Junior Year**

Catalog Number: 1167

Elvira G. DiFabio and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Italian 98 is required of all honors concentrators.

***Italian 99. Tutorial — Senior Year**

Catalog Number: 7840

Elvira G. DiFabio and members of the Department and Tutorial Board

Full course. Hours to be arranged.

Note: Successful completion of one term of Italian 99 is required of all honors concentrators.

Cross-listed Courses

***Freshman Seminar 31t. The Modern Image: Intersections of Photography, Cinema, and Italian Culture - (New Course)**

[Literature and Arts A-26. Dante's *Divine Comedy* and Its World]

For Undergraduates and Graduates

[Italian 116. The Renaissance: Power, Thought, Imagination]

Catalog Number: 1211

Francesco Erspamer

Half course (fall term). Hours to be arranged.

A survey of the one hundred years that changed the world. The analysis of seminal texts by Machiavelli, Castiglione, Michelangelo, Vasari, and Galileo, is aimed at the study of the making



of modernity.

Note: Expected to be given in 2008–09. Conducted in English.

[Italian 123. Semantics of Desire: Love in Dante's Poetry]

Catalog Number: 8912

Lino Pertile

Half course (spring term). Hours to be arranged.

Examines Dante's discourse on love, earthly and heavenly, in the context of the literature and culture of his times. In addition to a selection from Dante's *Comedy*, texts will include Book 4 of Virgil's *Aeneid*, Ovid's *Ars amatoria* and Andreas Cappellanus' *De amore*, Saint Bernard's commentary on the *Song of Songs*, Guinizzelli's and Cavalcanti's *Rime* and Iacopone da Todi's *Laude*.

Note: Expected to be given in 2008–09. Conducted in Italian.

Prerequisite: Reading knowledge of Italian.

Italian 128. The Fantastic from Dante to Calvino and Beyond - (New Course)

Catalog Number: 3468

Giuliana Minghelli

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Starting with Dante's descent to hell on the back of Gerione and with Ariosto's ascent to the moon on the hippogryph, explores the notion of the fantastic and the marvelous in Italian literature. The Gothic short story, the uncanny worlds of Buzzati and Landolfi, Calvino's postmodern knights, and Benni's science fiction show how fantastic literature defamiliarizes and questions the "laws" of verisimilitude, mapping new territories between utopia and dystopia, suspended at the border of the unconscious.

Note: Conducted in English.

[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 2009–10. Conducted in English or Italian.

[Italian 141. Renaissance Epic]

Catalog Number: 5328

Francesco Erpamer

Half course (fall term). Hours to be arranged.

The literary masterpieces of the golden century of Italian civilization were two narrative poems, Ariosto's *Orlando Furioso* and Tasso's *Jerusalem Delivered*, both celebrating the chivalric spirit of a bygone era. The course analyzes their relation with the epic tradition and their significance in the making of the modern conception of the world.

Note: Expected to be given in 2009–10. Conducted in English.



Italian 164. I Promessi Sposi - (New Course)

Catalog Number: 8087

Sergio Zatti (University of Pisa) and Luis Fernández-Cifuentes

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

I Promessi Sposi will be considered in the context of the realistic narrative of modern Europe and analyzed as a historical novel that gives special stress to some peculiar features of Italian history and anthropology: family, political power, religion both as faith and as institution, democratic culture and authoritarian tendencies.

Note: Conducted in Italian.

Italian 173. Apocalypse and Other Ends. From the Fin-de-siècle to the End of the Millennium - (New Course)

Catalog Number: 1095

Maria Grazia Lolla

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A course about apocalyptic literature in Italy including novels, short stories, essays, films and comic books. The course will focus on the changing significance of apocalypse throughout the centuries; fin-de-siècle anxieties and hopes; the expectation and the experience of the war; the relationship between the economic boom of the sixties, the advent of mass culture and the representation of the end of the world as "we" know it.

Note: Conducted in English.

Prerequisite: A reading knowledge of Italian.

Italian 176. Italian Modernism - (New Course)

Catalog Number: 3800

Giuliana Minghelli

Half course (spring term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

In what sense can we speak of an Italian Modernism? This course will examine the Italian contribution to the Modernist project by analyzing key issues in reference to disruptive texts: the crisis of the naturalist aesthetic in D'Annunzio's fiction and Pirandello's drama; the various embodiments of the "diseased" subject of Modernism vis-à-vis the rise of Fascism.

Note: Conducted in Italian.

Italian 177. The Culture of Italian Emigration - (New Course)

Catalog Number: 4923

Teresa Fiore

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18

The exploration of the emigration experience through literature and film by Italian and Italian American authors of the 19th- and 20th-centuries will be the ground to address questions of national identity, regional affiliations, ethnic belonging, and gender formations. Reading list includes, among others, works by Di Donato, Fante, and Scorsese as well as Pascoli, Sciascia, Messina, and Amelio.

Note: Conducted in English or Italian, depending on the students' knowledge of Italian.

[Italian 178. Contemporary Italy: Identities, Society, Cultures]

Catalog Number: 3111



Francesco Erspamer

Half course (spring term). Hours to be arranged.

A survey and a discussion of how Italy has changed since World War II and particularly in the last fifteen years from a poor, agricultural country of emigrants to an opulent, industrialized and multiethnic society, and a key player within the European Union. The course surveys recent Italian history and analyzes Italian politics, economy, institutions and culture.

Note: Expected to be given in 2008–09. Conducted in English.

Cross-listed Courses

[History of Art and Architecture 122x. Architecture of the Mediterranean World (1300-1650)]

[History of Art and Architecture 152. Italian Renaissance Art]

[Linguistics 110. Introduction to Linguistics](#)

Primarily for Graduates

[Italian 201. Italian Studies Colloquium - \(New Course\)](#)

Catalog Number: 6124

Francesco Erspamer

Half course (spring term). W., 2:30–5. EXAM GROUP: 7, 8, 9

Note: 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 2008–09. Conducted in Italian.

[Italian 237. Autobiography in 18th- and 19th-Century Italy - \(New Course\)](#)

Catalog Number: 5333

Sergio Zatti (University of Pisa) and Luis Fernández-Cifuentes

Half course (spring term). M., 1:30–4. EXAM GROUP: 6, 7, 8

Notions of autobiography since Jean-Jacques Rousseau as a perspective onto eighteenth- and early nineteenth-century autobiographies (Vittorio Alfieri, Carlo Goldoni, Giambattista Vico and selections from Giacomo Leopardi's *Zibaldone*).

Note: Conducted in Italian.

[Italian 250. Decadent Italy]

Catalog Number: 1235

Francesco Erspamer

Half course (fall term). Hours to be arranged.

Readings in turn-of-the-century Italian literature, from the scapigliati, Verga, and D'Annunzio,



to Fogazzaro, Grazia Deledda, and Pirandello. This course analyzes the complex process of self-fashioning and modernization that Italy went through between its unification and the advent of fascism.

Note: Expected to be given in 2009–10. Conducted in Italian.

[Italian 260. Up to Speed: Italian Fiction and Cinema, 1990–2005]

Catalog Number: 1335

Francesco Erspamer

Half course (fall term). Hours to be arranged.

The transformation of Italian society and culture through the narratives of the best Italian novelists and directors of today.

Note: Expected to be given in 2008–09. Conducted in Italian.

Italian 262. Time: Rhetoric and Ideology of a Cultural Concept

Catalog Number: 3847

Francesco Erspamer

Half course (fall term). W., 2:30–5. EXAM GROUP: 8, 9

Studies the development of the idea of Time in modern thought, with examples mostly taken from Italian literature. Readings include Galileo, Vico, Leopardi, Pirandello and the Futurists, Carlo Levi, Tomasi da Lampedusa, Calvino.

Note: Conducted in Italian.

[Italian 288r. Italian Literature Seminar]

Catalog Number: 0613

Lino Pertile

Half course (fall term). Hours to be arranged.

Topic for 2008-09: Pavese

Note: Expected to be given in 2008–09. 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, and Lino Pertile 3416 (on leave 2007-08)

***Italian 330. Direction of Doctoral Dissertations**

Catalog Number: 3679

Francesco Erspamer 5074, Franco Fido 2446, and Lino Pertile 3416 (on leave 2007-08)

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

Mariano Siskind

Half course (fall term). W., 2–4, and one additional hour to be arranged. EXAM GROUP: 7, 8

Introduces students to central debates and problems that have shaped Latin American culture.

We address questions of 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 colonial encounters and gendered subjectivities; the Haitian, Mexican and Cuban revolutions; US-Latin American relations; popular cultures; Latin American cities from Brasilia to Ciudad Juárez; and memory, trauma and traces of dictatorships.

Note: Conducted in Spanish, with some readings, lectures, and discussions in English.

[Latin American Studies 98. Tutorial—Junior Year](#)

Catalog Number: 1224

Mariano Siskind and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Latin American Studies 98 is required of all honors concentrators in their junior year.

[Latin American Studies 99. Tutorial—Senior Year](#)

Catalog Number: 7959

Mariano Siskind and members of the Department and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term 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 staff

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 staff

Half course (fall term). M., W., F., at 12 or 1. EXAM GROUP: 5, 6

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 staff

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 staff

Half course (spring term). Section I: M., W., 3–5; Section II: Tu., Th., 3–5; Section III: T., Th., 5–7pm. 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 staff

Half course (fall term). Section 1: 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 staff

Half course (spring term). Tu., Th., 11:30–1. 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). Tu., Th., 2:30–4. EXAM GROUP: 16, 17

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 (formerly Portuguese 40). Portuguese and the Community

Catalog Number: 3322

Clémence Jouët-Pastré and staff.

Half course (spring term). Tu., Th., 11:30–1 plus 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 Luis-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 and Tutorial Board

Half course (spring term). M., W., 2–3:30. EXAM GROUP: 7, 8



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 and Tutorial Board

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 and Tutorial Board

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 2008–09. 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 2008–09. 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.

Prerequisite: Excellent reading knowledge of Portuguese.



[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 2008–09. Conducted in Portuguese and English.

[Portuguese 150. Seminal Sounds, Images and Words in Brazilian Culture]

Catalog Number: 0596

Nicolau Sevcenko (Universidade de São Paulo)

Half course (fall term). Hours to be arranged.

Underscores some of the moments, works and artists which contributed to fundamental changes in Brazilian culture, either in the aesthetic, ethic or cognitive senses. Throughout the course, local culture will always be considered in relationship with its European, Latin American and North American counterparts.

Note: Expected to be given in 2008–09. Conducted in Portuguese.

Portuguese 155. Performing Arts, Literature and Culture in Modern Brazil

Catalog Number: 3301

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

One of the main features of Brazilian culture is the way by which all forms of artistic creation tend to converge and coalesce into organic units, more often than not centered on music and dance. This course will try to explore and understand the driving forces behind this multi-artistic instinct.

Note: Conducted in Portuguese.

Cross-listed courses

Linguistics 110. Introduction to Linguistics

Primarily for Graduates

Portuguese 222. Introduction to Camões

Catalog Number: 2995

Joaquim-Francisco Coelho

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 227. Fernando Pessoa

Catalog Number: 7375

Joaquim-Francisco Coelho



Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

Study of the works of Portugal's most distinguished literary figure of the 20th century as poet, critic, and prose writer, as well as his relation to the corpus of Portuguese literature.

Note: Conducted in Portuguese and English.

[Portuguese 251. Culture in Turmoil: Brazil in the 60s and 70s]

Catalog Number: 7461

Nicolau Sevcenko (Universidade de São Paulo)

Half course (fall term). Hours to be arranged.

A discussion of some of the most 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 2008–09. Conducted in Portuguese.

Portuguese 266. Urban Explosion: City and Culture in Rio and Sao Paulo

Catalog Number: 8916

Nicolau Sevcenko (Universidade de São Paulo)

Half course (spring term). Th., 5–7 p.m. EXAM GROUP: 18

Rio de Janeiro and Sao Paulo, energetic centers of cultural creativity in modern Brazil, also experienced exponential urban growth, laying groundwork for extreme social tension, political unrest and widespread violence. Can culture play a role to curb urban malaise?

Note: Conducted in Portuguese.

Graduate Courses of Reading and Research

See Note to Graduate Courses of Reading and Research in French.

***Portuguese 320. Literature of Portugal: Supervised Reading and Research**

Catalog Number: 6733

Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only) and Joaquim-Francisco Coelho 7715

***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, Mary M. Gaylord 2632, Nicolau Sevcenko (Universidade de São Paulo) 5229 (spring term only), and Doris Sommer 2744

Romance Languages



See also courses in Linguistics.

[Romance Languages](#)

Primarily for Graduates

Romance Languages 200. Second Language Teaching and Learning

Catalog Number: 2825

Kimberlee Campbell

Half course (fall term). W., 4–7 pm. EXAM GROUP: 9

An overview of second-language teaching and learning. Students encouraged to think critically about theoretical models, learning objectives, materials design, and classroom practice. Students evaluate existing textbooks as well as design their own materials.

Note: First hour a special practicum for graduate students and teaching assistants from the Department of Romance Languages and Literatures only. Offered jointly with the Graduate School of Education as H-750. Open to qualified undergraduates.

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: fall: W. 5-7; spring M. 5-7. EXAM GROUP: 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.

Prerequisite: Completion or imminent completion of PhD general examinations.

Romance Studies

[Romance Studies](#)

Primarily for Undergraduates

Romance Studies 79. Romance Languages in Comparative Perspective

Catalog Number: 8713

Elvira G. DiFabio and members of the Department

Half course (fall term). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 82. The Middle Ages at the Movies]

Catalog Number: 1479

Kimberlee Campbell

Half course (spring term). Hours to be arranged.

Explores major themes of the Middle Ages, from war to the role of women in society, comparing medieval texts to modern cinematographic versions of the Cid, the story of Joan of Arc, and the King Arthur's court, among others. Students will examine medieval source materials as well as modern, developing a critical sense of the social uses for history, and the ways in which these may be articulated through film.

Note: Expected to be given in 2008–09. Conducted in English. Students may elect to do course assignments in Spanish or French.

***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 and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 97 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 and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Romance Studies 98 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 and Tutorial Board

Full course. Hours to be arranged.

Note: Weekly individual instruction. Successful completion of one term 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 181. Fictions of Marginality: Contemporary Italian and Latin American Cultures - (New Course)

Catalog Number: 3624

Francesco Erspamer and Mariano Siskind

Half course (spring term). M., W., at 12. EXAM GROUP: 5

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: Conducted in English. Readings in Spanish/English and Italian/English.

Romance Studies 189. The Culture of Antifascism - (New Course)

Catalog Number: 3680

Francesco Erspamer

Half course (fall term). M., W., at 12. EXAM GROUP: 5

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: Conducted in English.

Primarily for Graduates

[Romance Studies 201. Approaches to Theory]

Catalog Number: 0934

Members of the Department

Half course (fall term). Hours to be arranged.

Major topics in literary theory as they relate to interpretation of romance literatures. Weekly seminars feature specialists in the Department who develop: philology, formalism, structuralism, post-structuralism, feminism, deconstruction, psychoanalysis, Marxism, cultural studies, post-colonial studies, queerness.

Note: Expected to be given in 2008–09. 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 A. Beginning Spanish

Catalog Number: 4684

Johanna Damgaard Liander and staff

Full course (indivisible). Fall: M. through F., sections at 9, 10, 11, 1, or 2; Spring: M., W., F. at 9, 10, 11, 1 or 2. . EXAM GROUP: 10

A complete basic course for students with little or no knowledge of Spanish. Initial emphasis on speaking, and, in the spring term, more emphasis on reading and writing, introducing Hispanic culture through texts by García Lorca, Neruda, and others; and use of computer, video, and film materials. After Spanish A, 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 by students who have had more than 3 years of Spanish in high school. May not be taken Pass/Fail. Students whose placement score does not entitle them to enter a more advanced course are assigned to Spanish A. Section on-line on the Spanish A website.

Spanish Ax. Reading Spanish

Catalog Number: 5318

Ernesto E. Guerra

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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. Section on-line on the Spanish Ax website.

***Spanish Bab. Intensive Beginning Spanish: Special Course**

Catalog Number: 5577 Enrollment: Limited to 15 students per section.

Johanna Damgaard Liander and staff

Full course (fall term; repeated spring term). Section I: M. through F., at 9 and Tu., Th., at 10; Section II: M. through F., at 11 and Tu., Th., at 12. EXAM GROUP: 2, 4, 11

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, film, and computer materials.

Note: May not be used to fulfill the language requirement. May not be taken Pass/Fail. Interested students should contact the instructor before registration for fall term and before fall examination period for spring term.



Spanish Ca. Intermediate Spanish I

Catalog Number: 5914

Nina C. de W. Ingrao and staff

Half course (fall term). Sections M., W., F., at 9, 10, 11, 12, and 1. EXAM GROUP: 10

A beginning intermediate course emphasizing listening, speaking, reading and writing, and including a review of grammar. Selected readings and related activities respond to a wide variety of interests: current events and issues, as well as short stories by well-known Spanish and Latin American authors. After Spanish Ca students should be able to communicate in Spanish with native speakers.

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 Ca website.

Prerequisite: Spanish A, Bab, 450-599 on the SAT II test or on the Harvard Placement Test, 3 years of Spanish in high school, or permission of course head.

Spanish Cb. Intermediate Spanish II

Catalog Number: 6874

Nina C. de W. Ingrao and staff

Half course (spring term). Sections M., W., F., at 9, 10, 11, 12, and 1. EXAM GROUP: 10

Emphasis on oral communication, with continued practice in reading and writing. Class discussions focus on Hispanic culture, art, and literature. Special listening materials used for insight into daily life in Spanish-speaking areas. After the Ca-Cb sequence, students should be able to understand lectures in Spanish, converse on everyday topics with a native speaker, read material of average difficulty and mature content, and write with acceptable style and correctness.

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 Cb website.

Prerequisite: Placement score of 550-599, Spanish Bab, Ca or permission of course head.

***Spanish Dab. Intensive Intermediate Spanish: Special Course**

Catalog Number: 4553

Adriana Gutiérrez and staff

Full course (spring term). M. through F., at 10; Tu., Th., at 11.

A complete second-year course in one term. Geared toward motivated students with an elementary knowledge of Spanish who want to accelerate their progress in the language.

Consolidates and expands oral comprehension, speaking, reading, and writing. Class materials include literature, film, and media.

Note: Conducted entirely in Spanish. May not be used to fulfill the language requirement. May not be taken Pass/Fail.

Prerequisite: Spanish A, Spanish Bab, 450-599 on the SAT II test or the Harvard Placement test, or permission of course head.

Spanish 30. Oral Expression: Temas de actualidad

Catalog Number: 0479

Nina C. de W. Ingrao and staff

Half course (fall term; repeated spring term). M., W., F. at 11, 12, and 1. EXAM GROUP: 4, 5, 6

Intended for students who have learned to handle everyday situations. Prepares students for



interacting on a more sophisticated level in a work or study setting. Class discussions and activities as well as the written assignments are based on topics of current interest researched by the students, selected stories, films, and the press. Review of grammar included.

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.

Prerequisite: 600-719 on the SAT II test or the Harvard Placement test, Spanish Cb or 27, or permission of course head.

Spanish 35. La cultura y la gramática del español a través de cuatro países latinoamericanos: México, Colombia, Peru y Chile

Catalog Number: 7127

Adriana Gutiérrez and staff

Half course (fall term). M., W., F., at 10, 11, and 1. EXAM GROUP: 3, 4, 6

Designed to expand speaking and writing skills in Spanish, the course introduces students to the cultural expression—in literature, film, and journalism—of four Latin American countries each representing a unique perspective: Chile, Colombia, Mexico, and Peru. In addition to in-class discussions, course work involves a comprehensive grammar review and practice in writing.

Note: Conducted entirely in Spanish. May not be taken Pass/Fail, but may be taken Sat/Unsat by students at GSAS. Students may take no more than two courses numbered in the 30s. Section on-line on the Spanish 35 website.

Prerequisite: Spanish Cb, 25, or 27, 600-719 on the SAT II test or the Harvard Placement test or permission of course head.

Spanish 36. La cultura y la gramática del español a través de cuatro países: Cultura urbana actual

Catalog Number: 7095

Adriana Gutiérrez and staff

Half course (spring term). M., W., F., at 10, 11, and 1. EXAM GROUP: 3, 4, 6

Consolidates and expands fluency, accuracy and stylistic range in Spanish through an examination of diverse literary and cinematographic works which depict contemporary life in the large cities of Spain, Cuba, Puerto Rico, and Mexico. In addition to in-class discussions, course work involves a comprehensive grammar review and practice in writing.

Note: Conducted entirely 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 36 website.

Prerequisite: Spanish Cb, 25 or 27, 600-719 on the SAT II test or the Harvard Placement test, or permission of course head.

Spanish 44. Lengua y composición avanzadas: Cultura española a través del cine

Catalog Number: 5058 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (fall term). M., W., F., at 10 or 11. EXAM GROUP: 3, 4

An advanced language and culture class that further develops linguistic competence using film as a focus for class discussion, grammar review, and an introduction to Spanish social contexts.

Course materials also include interviews, reviews, screenplays, and critical articles. Frequent



written and oral assignments, and a thorough review of grammar.

Note: This course does not section on-line. Please attend the first class to be considered for admission. Conducted in Spanish. May not be taken Pass/Fail. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

Spanish 48. Lengua y composición avanzadas: Perspectivas sobre México

Catalog Number: 5426 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (spring term). M., W., F., at 10 or 11. EXAM GROUP: 3, 4

An advanced language and culture class that will further develop linguistic competency focusing on 20th-century Mexico as seen through the works of several important Mexican women. Class materials include interviews, selections from the press, films, and paintings, as well as literary and historical readings. Frequent written and oral assignments, and a thorough review of grammar.

Note: This course does not section on-line. Please attend the first day of class to be considered for admission. Conducted in Spanish. May not be taken pass/fail. Not open to native speakers of Spanish. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test or the Harvard Placement test; or permission of course head.

Spanish 49a. Lengua y composición avanzadas: La vida en Buenos Aires

Catalog Number: 7890 Enrollment: Limited to 35.

Johanna Damgaard Liander

Half course (spring term). M., W., F., at 10 or 11. EXAM GROUP: 3, 4

An advanced language and culture class that will further develop linguistic competency through the study of contemporary life in Buenos Aires. We will examine the Argentine capital, its identity and its mystique, through history, folklore, gastronomy, film, music, art, and literature. Frequent written and oral assignments, and a thorough review of grammar.

Note: Conducted in Spanish. This course does not section on-line. Please attend the first day of class to be considered for admission. May not be taken pass/fail. Not open to native speakers of Spanish. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test; the Harvard Placement test; or permission of course head.

Spanish 49b. Lectura y composición avanzadas: Arte y nación en la esfera pública latinoamericana

Catalog Number: 4936

Adriana Gutiérrez

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Artists and intellectuals can use language to change society. To appreciate the agency of linguistic arts, we will read literature and view films that helped to establish political projects, including nation-building, throughout Latin America. At the same time, students develop their own abilities to use Spanish effectively through a sequence of grammar reviews and weekly writing assignments.



Note: Conducted in Spanish. Students may take no more than two courses numbered in the 40s.

Prerequisite: Spanish 35 or 36; 720 on the SAT II test; the Harvard Placement test; or permission of course head.

Spanish 50 (formerly Spanish 43). Creative Writing in Spanish

Catalog Number: 6794

Ernesto E. Guerra

Half course (spring term). M., W., F., at 10 or 11. EXAM GROUP: 3

An advanced language courses designed to strengthen and develop competence in written expression through creative writing. Offers an in-depth grammar review, and basic tools for reading and writing short fiction in Spanish. Readings include works by Horacio Quiroga, Jorge Luis Borges, Gabriel García Márquez and others.

Note: Conducted in Spanish. Recommended for concentrators and joint concentrators. Students may take no more than two courses numbered in the 50s. Section on-line on the Spanish 50 website.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50-level course in Spanish; or permission of course head.

Spanish 54. Advanced Oral Expression

Catalog Number: 3964 Enrollment: Limited to 15.

Ernesto E. Guerra

Half course (fall term). Section 1: Tu., Th., 1:30–3; Section 2: Tu., Th., 1:30–3; Section 3: Tu., Th., 3–4:30. EXAM GROUP: 15, 16

An advanced language course designed to strengthen oral skills through discussion and representation of Spanish and Spanish-American plays. Intensive practice in listening comprehension, pronunciation, self-presentation, debating, negotiating, counseling, persuading, and expressing emotion will culminate in a class theatrical production.

Note: Conducted in Spanish. Recommended for concentrators and joint concentrators. Students may take no more than two courses numbered in the 50s. Section on-line on the Spanish 54 website.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

Spanish 55 (formerly Spanish 45). El español de los negocios

Catalog Number: 3731

Nina C. de W. Ingraio and staff

Half course (fall term; repeated spring term). M., W., F., at 12 or 1. EXAM GROUP: 5

An advanced language course that teaches the linguistic skills necessary for professional communication. Systematic vocabulary building by thematic areas, and review of key grammatical points. Discussion of cultural patterns relating to business and society in Hispanic countries and in the US. Review of grammar included.

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 50s Section on-line on the Spanish 55 website.

Prerequisite: A 30- or 40-level course in Spanish; 720 on the SAT II test or the Harvard Placement test; or permission of course head.



Spanish 60 (formerly Spanish 40). Spanish and the Community

Catalog Number: 8789 Enrollment: Limited to 12.

Johanna Damgaard Liander and staff.

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 Sandra Cisneros, Ilán Stavans, and Alberto Fuguet.

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 Harvard placement test; a 40- or 50- level course in Spanish; or permission of course head.

***Spanish 61. Spanish for Heritage Speakers**

Catalog Number: 1481

Nina C. de W. Ingrao

Half course (fall term; repeated spring term). M., W., F., at 12. EXAM GROUP: 5

Designed to enhance heritage students' knowledge of Spanish by providing them with ample opportunities to develop and improve language skills. Explores the common cultural thread among people from Spanish-speaking countries. Activities include interviews and discussions of Hispanic art, writings, and the press. Frequent written and oral assignments and a thorough review of grammar.

Note: Conducted in Spanish. May not be taken Pass/Fail.

Spanish 70a. Heroes, Rogues, Saints, Sinners: Archetypes of Spanish Literature

Catalog Number: 1587

Mary M. Gaylord

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

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 1700]

Catalog Number: 7713

Luis Fernández-Cifuentes

Half course (spring term). Hours to be arranged.

From philosophical essays to newspaper articles, from romantic tragedy to turn-of-the-century films, from early autobiography to dirty realism, from academic landscape painting to comic strips, this course will present a provocatively diverse set of documents that will help understand



Spain's equivocal and frequently contested Modernity.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50-level course in Spanish; or permission of course head.

[Spanish 71a. *Imitatio* and *Auctoritas* in Crisis: Survey of Colonial Spanish American Literature]

Catalog Number: 4319

Half course (fall term). Tu., Th., 2–3:30.

Introduction to the textual production of the colonial period and its associated issues. Of principal interest will be the problematic relationship between substantive and procedural traditions on the one hand and colonial textual practices on the other.

Note: Expected to be given in 2008–09. Conducted in Spanish. Required for concentrators in Hispanic Literatures and Hispanic Studies (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 71b. The Modern Era of Latin American Literature

Catalog Number: 6700

Luis E. Cárcamo-Huechante

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

A journey through Spanish-American literature and culture in the context of the major waves of modernization, from the end of the nineteenth- to the late twentieth-century. Special emphasis on the relationship of authors and literary works to changes in the international arts scene, as well as in print culture, cities, politics, social movements, economics and technology. Readings by Darío, Martí, Agustini, Neruda, Vallejo, Borges, García Márquez, Fuentes, and Arguedas, among others.

Note: Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.

[Spanish 90m. *Imagining Latin Americas: Neruda, Asturias, and Paz.*]

Catalog Number: 8609

Luis E. Cárcamo-Huechante

Half course (fall term). Hours to be arranged.

Covering poetry, narrative and essays of these three literary figures, the course will pay attention to the ways in which their writings "imagine" individual and collective, intimate and public, political, cultural and historical experiences and utopias in the shaping of national and Latin American identities. Use of methodologies and tools for literary analysis will be part of the course.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Prerequisite: 750 on the Harvard Placement test; a 40- or 50- level course in Spanish; or permission of course head.



[Spanish 90q. Displaced Subjectivities: Travel Writing in the Americas]

Catalog Number: 6875

Mariano Siskind

Half course (fall term). Hours to be arranged.

Travel narratives and the imaginaries of otherness that constitute them have triggered world historical processes from colonialism and globalization, to global tourism and new ways of understanding the self. Studies the fictions, experiences and documents of travelers in the Americas in 19th- and 20th-century. We read novels, letters, postcards, journals, chronicles, official documents, blogs. Texts by Darwin, Sarmiento, Martí, Mansilla, Darío, Nervo, Gamboa, Groussac, García Lorca, Victoria Ocampo, Eisenstein, Trotsky, Ernesto "Che" Guevara, Mariátegui, others.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 90t. Outlaws in Latin America - (New Course)

Catalog Number: 4986 Enrollment: Conducted in Spanish.

Victor Miguel Vich

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Explores the process of nation building in Latin American through two specific kinds of outlaws: the bandit and the pirate. Given these figures' relation to the law we will examine the notion of citizenship and how spatial, political and ideological differences were articulated during the nineteenth and early twentieth centuries to legitimate a particular kind of national identity. We will analyze novels, poems and films from Argentina, Brazil, Colombia and Mexico.

***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

Luis Fernández-Cifuentes

Half course (spring term). Tu., Th., at 10. EXAM GROUP: 12

Theory in Praxis: Critical Controversies. Reading assignments will expose not only a variety of recent developments in literary criticism (as it has been practiced by prominent scholars, from Vygotsky to Barbara Johnson, on both prose and poetry) but also significant controversies that have accompanied and stimulated such development (Trilling versus Vendler on Wordsworth, Alonso versus Spitzer on Fray Luis, etc.). 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 and Tutorial Board

Half course (fall term; repeated spring term). Hours to be arranged.

Note: Successful completion of one term of Spanish 98 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 and Tutorial Board

Full course. Hours to be arranged.

Weekly individual instruction for honors seniors writing a thesis.

Note: Successful completion of one term of Spanish 99 is required of all honors concentrators.

To enroll, see the Undergraduate Adviser in Spanish.

Cross-listed Courses

Literature and Arts A-57. State and Nation: Languages in Conflict

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 120. Medieval Spain in the *Poem of the Cid*]

Catalog Number: 1579

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Major themes and critical approaches in the study of the Castilian epic poem *Cantar de mio Cid* and the Cidian tradition (especially in the *Romancero*).

Note: Expected to be given in 2009–10. Conducted in Spanish.

Spanish 124. Cervantes: *Don Quixote*

Catalog Number: 1378

Mary M. Gaylord

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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.

Spanish 134. Nahuatl Poetry and Painting - (New Course)

Catalog Number: 7452

José Rabasa (University of California, Berkeley)

Half course (fall term). M., W., at 10. EXAM GROUP: 3

Introduces students to Mesoamerican textuality by drawing examples from Nahuatl poetry and



painting. Interrelations between alphabetical writing, pictography, and orality. Readings from sixteenth- and seventeenth-century texts such as the anonymous *Leyenda de los soles*, the *Cantares mexicanos*, *Historia Tolteca-Chichimeca*, and chronicles by the Indian historians Chimalpahin and Tezozomoc, and recent studies of pictorial codices and colonial maps. Introduction to Classical Nahuatl through the study of James Lockhart's *Nahuatl as Written*.
Note: Conducted in Spanish.

[Spanish 135. Writing Women: Language, Culture, and Difference in 20th-Century Spanish Narrative]

Catalog Number: 1015

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the situations and transformations of contemporary narrative fiction by Spanish women. Issues studied include gender, sexuality, and cultural production; oppression and resistance; war and remembrance; the rights of the individual; literary form and sexual identity; autobiography or self-invention; relations between the family and the state. Authors: Carmen de Burgos, Victor Català, Carmen Laforet, Mercè Rodoreda, Carmen Martín Gaité, Esther Tusquets, Rosa Montero, Carme Riera, Maria Barbal, and Cristina Fernández Cubas. Theoretical and critical texts are included.

Note: Expected to be given in 2009–10. Conducted in Spanish.

[Spanish 152. Experience and Experimentation in the Latin American Experimental Novel]

Catalog Number: 0215

Mariano Siskind

Half course (spring term). Hours to be arranged.

From the 1940s on, before and after the so-called 'boom,' the most interesting Latin American writers channeled collective desires of social change experimenting with novelistic forms and themes, and thus creating a rich aesthetic tradition and opening new ways to imagine the experience of Latin American social reality. We read novels by Onetti, Carpentier, Lezama Lima, Rulfo, Revueltas, Saer, Roa Bastos, Guimarães Rosa, and Cabrera Infante.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 154. Travel Literature and Modernity in the 19th Century

Catalog Number: 9121

Mariano Siskind

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

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: Conducted in Spanish.

[Spanish 170. Imagining Buenos Aires]

Catalog Number: 2920



Diana Sorensen

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 172. Barcelona and Modernity

Catalog Number: 4211

Bradley S. Epps

Half course (spring term). M., W., [F.], at 11. EXAM GROUP: 4

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: 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 174. Latin American Culture and Society in the 1960s]

Catalog Number: 5625

Diana Sorensen

Half course (fall term). Hours to be arranged.

We will study this extraordinarily powerful, irreverent and utopian decade in an interdisciplinary way, looking at politics, the arts, music, literature (this is the era of *One Hundred Years of Solitude* and of Borges's canonization), fashion and consumption. Materials will be mostly Latin American, but there will be comparisons with France and the US.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 180. Cultural Agents in the Americas - (New Course)

Catalog Number: 0460

Doris Sommer

Half course (spring term). W., 5–7:30 p.m. EXAM GROUP: 9

For graduates, undergraduates, and professional schools, "Cultural Agents" explores the arts as social resources. Starting with a "fair" to meet local change artists and identify partners for collaborative research projects (on mayors, music, murals, mimes, etc.) students will consider how defamiliarization and the counterfactual make change thinkable through aesthetic effects and side-effects. Readings include Schiller, Dewey, Rancière, Mockus, Boal, García-Canclini, et al.

Note: Conducted in English.

Spanish 182. New York in U.S. Latino Literature and Film - (New Course)

Catalog Number: 7920

Arnaldo Cruz-Malavé (Fordham University)

Half course (spring term). M., W., at 10. EXAM GROUP: 3

New York as represented by Spanish and Latin American exile writers and native Latino New Yorkers. The city as a metaphor for artistic creation in a global world, a center for a cosmopolitan Spanish and Latin American diasporic avant-garde, and as constructed by the



Latino imagination in writing, film, and performance art. Includes authors such as Martí, Lorca, Burgos, Thomas, Piñero, Arenas, Braschi, Hijuelos, and Leguizamo; and filmmakers such as Ichaso, Morales, and Troyano.

Note: Conducted in English.

Spanish 184. Building the Latin American Metropolis

Catalog Number: 2186

Ernesto Livón-Grosman (Boston College)

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Explore, through essays, fiction and films the development of the modern Latin American city. Analyze the cultural and political implications of its evolution, from patterns of space distribution to inner city violence and ecological crisis looking closely at social issues and their representations. Discuss works by Walter Benjamin, Roberto Arlt, Fernando Birri, Fernando Vallejo y Clarice Lispector, and others

Note: Conducted in Spanish, readings in Spanish and English.

Spanish 187. Representations of Violence in Peru - (New Course)

Catalog Number: 1258

Victor Miguel Vich

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

Studies the representations of political violence that have been produced in Peruvian culture in recent years. Analyzes the different ways in which the armed conflict has been symbolized by Peruvian artists. Paradigms include "denouncement," "reconciliation," "censure," etc. An interdisciplinary course in which different types of texts (and different theories) provoke participative reflection. Poems, short stories, novels, testimonies, photographs, songs, cinematographic films and discourses of cultural agents.

Note: Conducted in Spanish.

[Spanish 190. Proclaiming Territories: Indigenous Literatures and Cultures of the Americas]

Catalog Number: 0340

Luis E. Cárcamo-Huechante

Half course (spring term). Hours to be arranged.

Examines the ways in which indigenous cultural producers have recreated the notion of territory in the age of globalization. In recent decades, indigenous writers and artists have explored multiple territories as their own, ranging from the land to the space of textile art and poetry, from rivers, lakes, and mountains, to radios, videos, and Internet sites. Issues of cultural appropriation, transculturation, *mestizaje*, and hybridity will be critical to our discussion.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Prerequisite: Advanced reading ability in Spanish.

[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 2009–10. Conducted in Spanish.

***Spanish 193. Being Mexican - (New Course)**

Catalog Number: 6176 Enrollment: Limited to 15.

Alma Guillermoprieto

Half course (spring term). M., W., at 1. EXAM GROUP: 6

Using Mexican twentieth-century movies, viewed chronologically from the classic early films to the latest films by young Mexican directors, we will try to understand how Mexicans see themselves how they wish to be seen, and how historical events have changed and shaped that self-image.

Note: Conducted in English. Open to undergraduates only.

Prerequisite: Not all movies shown will have English subtitles, thus a good grasp of Spanish and of Latin American history is required.

Cross-listed Courses

[History of Art and Architecture 197g. Colonial Art]

[Humanities 21 (formerly Spanish 155). The Making of Cultural and Political Myths in Latin America]

[Literature 157 (formerly Comparative Literature 111). From Type to Self in the Middle Ages]

Primarily for Graduates

Spanish 201. The History of the Spanish Language

Catalog Number: 5610

Luis M. Girón Negrón

Half course (fall term). M. 4-6, W. at 1. EXAM GROUP: 6, 9

A general survey of the development of the Spanish language from Latin to the present.

Interdisciplinary approach.

Note: Conducted in Spanish.

[Spanish 204. Love and Power in 14th-Century Castille: Juan Ruiz and Juan Manuel]

Catalog Number: 1181

Luis M. Girón Negrón

Half course (fall term). Hours to be arranged.

Love and power as the thematic axes in two classics of premodern Spanish verse and prose, respectively: Juan Ruiz's *Libro de buen amor* and Juan Manuel's *Conde Lucanor*. Close readings with due attention to major critical trends and scholarly approaches.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 218. Colonial/Postcolonial Studies - (New Course)

Catalog Number: 8907

José Rabasa (University of California, Berkeley)

Half course (fall term). Tu., 3–5. EXAM GROUP: 17, 18



Emphasis on questions pertaining to secularism and its religious remains. Beyond Latin American texts and Postcolonial Theory, readings on Medieval (postcolonial) Studies, Derrida's *Archive Fever* and Agamben's *The Time that Remains* will be included.
Note: Conducted in Spanish.

Spanish 243. Foundational Fiction and Film

Catalog Number: 3129

Doris Sommer

Half course (fall term). W., 5–7 p.m. EXAM GROUP: 9

Through novels that helped to consolidate nation-states in Latin America, we'll explore modernity as personal and public lessons in laissez-faire. Sequels in film, telenovelas, performances show tenacity of genre. Theorists include updates links between creativity and citizenship: telenovelas, film, performances. Theorists include Anderson, Foucault, Arendt, Lukacs, Flaubert.

Note: Conducted in Spanish.

Spanish 249. Cosmopolitan Desires: Intersecting Literature, Theory and Politics in Latin America - (New Course)

Catalog Number: 7129

Mariano Siskind

Half course (fall term). M., 1–3. EXAM GROUP: 6, 7

Studies the desire for modernity in Latin American discourses of cosmopolitan aesthetics, politics and ethics in Darío, Montalvo, Nervo, Borges, Oswald de Andrade, Paz, Cohen, Bellatín y otros. Also, Kant, Hegel, Marx, Derrida, Nussbaum, Bhabha and others.

Note: Conducted in Spanish; flexible language policy for non-Spanish students from RLL and other departments; open to advanced undergraduates with permission of the instructor.

Spanish 252. Alternative Sexualities in Spanish and Latin American Cultures - (New Course)

Catalog Number: 9444

Bradley S. Epps and Luis E. Cárcamo-Huechante

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

How do non-normative and/or alternative sexual desire and difference figure in literary production? Examines works by del Casal, Novo, Villaurrutia, Cernuda, Lorca, Pizarnik, Peri Rossi, Piñera, Sarduy, Goytisolo, Arenas, Lemebel, Bellessi, Perlongher, Marçal, Tusquets, etc.

Note: Conducted in Spanish.

Spanish 271. Hispanic Caribbean Transitions - (New Course)

Catalog Number: 0411

Arnaldo Cruz-Malavé (Fordham University)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Mourning, migration, sexuality, and movement in the contemporary literature of Cuba, Puerto Rico, and the Dominican Republic, as they transition to a global economy. Lezama, Arenas, Padura Fuentes, Gutiérrez, Díaz, Hernández, Ramos Otero, and Santos-Febres.

Note: Conducted in Spanish.



[Spanish 272. Aesthetics from the Margins]

Catalog Number: 1870

Doris Sommer

Half course (spring term). Hours to be arranged.

A reconsideration of standard authors, including Aristotle, Kant, Schiller, Shklovsky, and Barthes through engagements with Latin American interpreters and practitioners of literary arts, such as Paz, Borges, Rama, Carpentier, Lezama, and Cortázar among others.

Note: Expected to be given in 2008–09. Conducted in Spanish.

Spanish 281r. Spanish Literature: Seminar: Major Critical Issues of 16th- and 17th-Century Spanish Literature

Catalog Number: 9785

Mary M. Gaylord

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

Topic for 2007-08: Lope de Vega. Readings from lyric, epic, dramatic, narrative, historical and metaliterary works grounded in literary-historical, historical and cultural context, in period poetic theory and reception history, and in modern critical and theoretical thinking.

Note: Conducted in Spanish. Graduate students in Hispanic literatures may, with permission and a minimum final grade of B+, present this course in lieu of the minor field examination in Golden Age literature. Next offered 2009-2010.

Spanish 285cr. Spanish Literature: Seminar

Catalog Number: 1104

Luis Fernández-Cifuentes

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

Topic for 2007-08: Ilustración y romanticismo.

Note: Conducted in Spanish.

Cross-Listed Courses

[*Comparative Literature 211. Mysticism and Literature: Seminar]

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

Luis E. Cárcamo-Huechante 4053 (on leave fall term), Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632, Luis M. Girón Negrón 3060 (on leave spring term), Mariano Siskind 5530, Doris Sommer 2744, and Diana Sorensen 4214

***Spanish 330. Direction of Doctoral Dissertations**

Catalog Number: 2143



Luis E. Cárcamo-Huechante 4053 (on leave fall term), Joaquim-Francisco Coelho 7715, Bradley S. Epps 2880, Luis Fernández-Cifuentes 2091, Mary M. Gaylord 2632, Luis M. Girón Negrón 3060 (on leave spring term), Francisco Márquez Villanueva 5064, Mariano Siskind 5530, Doris Sommer 2744, and Diana Sorensen 4214

Russia, Eastern Europe, and Central Asia

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Harvey Goldblatt, Visiting Professor of Slavic Languages and Literatures (*Yale University*)
(*spring term only*)
Mikhail Gronas, Visiting Assistant Professor of Slavic Languages and Literatures (*Dartmouth College*) (*fall term only*)
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Yuri Tsivian, Visiting Professor of Slavic Languages and Literatures (*University of Chicago*)
(*spring term only*)
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, 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.

Timothy J. Colton 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.

Timothy J. Colton 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*) (*on leave fall term*)

Anne E. Monius, Professor of South Asian Religions (*Divinity School*) (*Acting Chair, fall term*)

Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures (*Director of Undergraduate Studies*)

Richard S. Delacy, Preceptor in Sanskrit and Indian Studies

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

Parimal G. Patil, John L. Loeb Associate Professor of the Humanities (*Director of Graduate Studies*)

Sunil Sharma, Visiting Lecturer in Indo-Persian and Urdu Literature

Michael Witzel, Wales Professor of Sanskrit

Affiliates of the Department of Sanskrit and Indian Studies



Francis X. Clooney, Parkman Professor of Divinity and Professor of Comparative Theology
(Divinity School)

Other Faculty Offering Instruction in the Department of Sanskrit and Indian Studies

Janet Gyatso, Hershey Professor of Buddhist Studies (Divinity School)
Richard H. Meadow, Senior Lecturer on Anthropology

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

Ali S. Asani and assistants

Half course (fall term; repeated spring term). Hours to be arranged. EXAM GROUP: Spring: 7, 8, 16, 17

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 Head Tutor/Director of Graduate Studies.

Note: Not open to auditors.

***Indian Studies 91r. Supervised Reading and Research**

Catalog Number: 0247

Ali S. Asani 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

Ali S. Asani 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

Ali S. Asani 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 12. Sources of Indian Civilization]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[*Freshman Seminar 44p. Contemporary India: Fact and Fiction](#)

[Historical Study A-16. Modern South Asian Global History](#)

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

[Moral Reasoning 80. The Good Life In Classical India] - (New Course)

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 2008–09. No knowledge of India or Sanskrit assumed or required.

[Indian Studies 121. Hindutva: Sources, Methods, Implications for Research and Teaching]

Catalog Number: 0362

Michael Witzel and Parimal G. Patil

Half course (fall term). Hours to be arranged.

Course presents a survey of early Hindutva writings and recent developments, especially the repercussions on the interpretation of Sanskrit texts and on the writing of Indian history.

Note: Expected to be given in 2008–09.

[*Indian Studies 123. Bollywood and Beyond: Language and Culture in Contemporary South Asia - \(New Course\)](#)

Catalog Number: 6828 Enrollment: Limited to 20.

Richard S. Delacy

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

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: Students who enroll in the language section of this course may count it towards a citation in Urdu-Hindi.

Cross-listed Courses



Humanities 18 (formerly Religion 1801). For the Love of God and His Prophet: Religion, Literature, and the Arts in Muslim Cultures

[Music 190r. Topics in World Music: Proseminar]

[*Music 190rs. Topics in World Music: Proseminar]

[Persian 140ar. Advanced Persian]

[Religion 1005. World Religions in Boston: Seminar]

Religion 1063. South Asian Religious Aesthetics: Seminar

[Religion 1600. Introduction to Hinduism]

[Religion 1631. Hindu Traditions of Devotion]

[Religion 1645. Sacred Space and Pilgrimage in India: Seminar]

[Religion 1650. Modern Hindu Movements: Seminar]

[Religion 1703. Theravada Buddhist Traditions]

[Religion 1802 (formerly Religion 1555). Introduction to Islamic Mysticism: The Sufi Tradition]

***Religion 1820 (formerly *Religion 1585). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies**

Primarily for Graduates

Indian Studies 201a (formerly Indian Studies 201). Materials and Methods of Indian Studies: Proseminar

Catalog Number: 5406

Michael Witzel and members of the Department

Half course (fall term). Hours to be arranged.

Note: Required for all Sanskrit-track PhD students.

Indian Studies 201b. Materials and Methods of Indian Studies: Proseminar - (New Course)

Catalog Number: 1155

Michael Witzel and members of the Department

Half course (spring term). Hours to be arranged.

Note: Required for all Sanskrit-track PhD students.

[Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures]

Catalog Number: 9867

Michael Witzel

Half course (spring term). Hours to be arranged.

Readings in and linguistic analysis of the range of Middle Indic languages, including early inscriptions, Pali, the Prakrits, Buddhist Hybrid Sanskrit, and Apabhramsa. Emphasis on languages not ordinarily included in the curriculum.

Note: Expected to be given in 2009–10.

Prerequisite: One year of Sanskrit.

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

Catalog Number: 0923

Michael Witzel

Half course (fall term). Hours to be arranged.



An analysis of selected Old Indian cosmogonic myths contrasted with comparable ones from other Indo-European and Asian traditions. The respective mythological systems, possible interpretations, and an emerging framework for their form and structure are investigated.

Note: Expected to be given in 2008–09.

Indian Studies 207a. Understanding Indian Ritual

Catalog Number: 1214

Michael Witzel

Half course (fall term). Th., at 5:30. EXAM GROUP: 18

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.

Indian Studies 207b. Understanding Indian Ritual

Catalog Number: 8416

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Indian Studies 207a.

Indian Studies 216r (formerly Indian Studies 216). Readings in Indo-Persian literature

Catalog Number: 2767

Ali S. Asani and assistant.

Half course (fall term; repeated spring term). F., 3–5. EXAM GROUP: Fall: 17, 18

Indian Studies 218. Special Topics in Indian Philosophy - (New Course)

Catalog Number: 9297

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Cross-listed Courses

Linguistics 220ar. Advanced Indo-European

[*Literature 162 (formerly *Comparative Literature 207). Theory and Methods in Comparative Oral Traditions: Seminar]

Graduate Courses of Reading and Research

***Indian Studies 302. Reading and Research**

Catalog Number: 1405

Ali S. Asani 7739, Diana L. Eck 4514, Anne E. Monius (Divinity School) 4489 (spring term only), Parimal G. Patil 4478, and Michael Witzel 1602

Sanskrit



Primarily for Undergraduates

***Sanskrit 91r. Supervised Reading and Research**

Catalog Number: 5497

Ali S. Asani 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

Ali S. Asani 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

Ali S. Asani 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

Parimal G. Patil and members of the Department.

Half course (fall term). M., W., F., at 1. EXAM GROUP: 6

An introduction to Sanskrit.

Sanskrit 101b. Elementary Sanskrit

Catalog Number: 6892

Parimal G. Patil and members of the Department.

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

Continuation of Sanskrit 101a.

Sanskrit 102a. Intermediate Sanskrit I

Catalog Number: 4843

Parimal G. Patil and members of the Department.

Half course (fall term). M., W., F., at 12. EXAM GROUP: 5

Selected readings in verse and prose, drawn primarily from the Epics and Classical poetic works.

Sanskrit 102b. Intermediate Sanskrit II

Catalog Number: 4916

Parimal G. Patil and members of the Department.

Half course (spring term). M., W., F., at 12. EXAM GROUP: 5

Continuation of Sanskrit 102a.



Primarily for Graduates

[Sanskrit 200ar. Advanced Poetic Sanskrit]

Catalog Number: 3658

Parimal G. Patil and members of the Department.

Half course (fall term). M., W., F., at 11. EXAM GROUP: 4

Selected readings from inscriptions and documents.

Note: Expected to be given in 2008–09.

Sanskrit 201ar. Advanced Philosophical Sanskrit

Catalog Number: 9986

Parimal G. Patil

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). Hours to be arranged.

Topic to be announced.

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature]

Catalog Number: 6123

Michael Witzel

Half course (fall term). Hours to be arranged.

Introduction to Vedic grammar. Selection of Vedic prose texts from the Yajurveda Samhitas, Brahmanas, Aranyakas, and Upanisads.

Note: Expected to be given in 2008–09.

Prerequisite: At least one year of Sanskrit.

[Sanskrit 204br. Introduction to Vedic Sanskrit and Literature]

Catalog Number: 8944

Michael Witzel

Half course (spring term). Hours to be arranged.

Continuation of Sanskrit 204ar.

Note: Expected to be given in 2008–09.

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 2009–10.

Prerequisite: Reading knowledge of Sanskrit.



[Sanskrit 205br (formerly Sanskrit 2xxbr). Readings from the Rgveda II]

Catalog Number: 0338

Michael Witzel

Half course (spring term). Hours to be arranged.

Readings and discussions of the oldest Indian text.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Sanskrit.

[Sanskrit 212br. Advanced Literary Sanskrit]

Catalog Number: 3526

Parimal G. Patil

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Sanskrit 214. Ritual Sutras

Catalog Number: 6626

Michael Witzel

Half course (fall term; repeated spring term). Fall: Th., 4–6. EXAM GROUP: Fall: 18

Reading and discussion of Sutras and Paddhatis. Readings to be announced.

Graduate Courses of Reading and Research

***Sanskrit 301. Reading and Research**

Catalog Number: 2158

Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

***Sanskrit 310. Direction of Doctoral Dissertations**

Catalog Number: 4371

Diana L. Eck 4514, Parimal G. Patil 4478, and Michael Witzel 1602

Pali

For Undergraduates and Graduates

Pali 101a. Introductory Pali

Catalog Number: 4129

Parimal G. Patil and members of the Department

Half course (fall term). Hours to be arranged.

Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

Pali 101b. Introductory Pali

Catalog Number: 7320

Parimal G. Patil and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Pali 101a.



Note: Given in alternate years.

Prerequisite: One year of Sanskrit.

Pali 102a. Intermediate Pali

Catalog Number: 8376

Parimal G. Patil and members of the Department

Half course (fall term). Hours to be arranged.

Note: Given in alternate years.

***Pali 102b. Intermediate Pali**

Catalog Number: 7748

Parimal G. Patil and members of the Department

Half course (spring term). Hours to be arranged.

Continuation of Pali 102a.

Note: Given in alternate years.

Prerequisite: Pali 102a or equivalent.

Pali 103r. Readings in Pali

Catalog Number: 6985

Parimal G. Patil and members of the Department

Half course (fall 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 assistant

Half course (fall term). M., W., 10–12. EXAM GROUP: 3, 4

Nepali 101b. Introductory Nepali

Catalog Number: 3039

Michael Witzel and assistant

Half course (spring term). Hours to be arranged.

Nepali 102a. Intermediate Nepali

Catalog Number: 8921

Michael Witzel

Half course (fall term). Hours to be arranged.

Nepali 102b. Intermediate Nepali

Catalog Number: 2720



Michael Witzel

Half course (spring term). Hours to be arranged.

Urdu and Hindi

For Undergraduates and Graduates

Urdu 101. Introductory Urdu-Hindi

Catalog Number: 4078

Ali S. Asani, Richard S. Delacy, and Naseem A. Hines

Full course (indivisible). M. through Th., (F.), at 10, 12, or 3. EXAM GROUP: 3, 12

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

Richard S. Delacy

Full course (indivisible). Tu. through Th., 4–5:30. EXAM GROUP: 9, 18

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

Naseem A. Hines

Half course (fall term). M., W., 8:30–10. EXAM GROUP: 1, 2

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

Naseem A. Hines

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Continuation of Urdu 103a.

[Urdu 104. The Classical Urdu Ghazal and Its Symbolism]

Catalog Number: 0927

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 2008–09.

Prerequisite: Urdu 102 or equivalent.

Urdu 105r. Topics in Urdu-Hindi Literature

Catalog Number: 5963

Ali S. Asani and assistants

Half course (fall term; repeated spring term). Tu., 6–8 p.m. EXAM GROUP: 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

Catalog Number: 3945

Naseem A. Hines

Half course (fall term; repeated spring term). M., W., at 11. EXAM GROUP: Fall: 4; Spring: 16

Intended to raise oral proficiency and command of complex grammatical structures. The goal is to converse in a participatory fashion and engage in a wide variety of communicative tasks using diverse language strategies.

Prerequisite: Urdu 103 or equivalent or instructor's permission.

Graduate Courses of Reading and Research

***Urdu 300. Reading and Research**

Catalog Number: 2131

Ali S. Asani 7739

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.

Tibetan 98r. Tutorial-Junior Year

Catalog Number: 1895

Leonard W. J. van der Kuijp and members of the Department

Half course (fall term; repeated spring term). Hours to be arranged.

Tibetan 99. Tutorial-Senior Year

Catalog Number: 5349

Leonard W. J. van der Kuijp and members of the Department

Full course. Hours to be arranged.



For Undergraduates and Graduates

Tibetan 101a. Elementary Classical Tibetan

Catalog Number: 4132

Leonard W. J. van der Kuijp and assistant

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 assistant

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

Prerequisite: Tibetan 101a.

[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 2008–09.

Prerequisite: Tibetan 101a and 101b.

Tibetan 104ar. Elementary Colloquial Tibetan

Catalog Number: 4158

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Tibetan 104br. Elementary Colloquial Tibetan

Catalog Number: 7026

Leonard W. J. van der Kuijp and assistant

Half course (spring term). M., W., at 1, F., at 11. EXAM GROUP: 4, 6

Continuation of Tibetan 104a.

Tibetan 105ar. Intermediate Colloquial Tibetan

Catalog Number: 1314

Leonard W. J. van der Kuijp and assistant

Half course (fall term). Hours to be arranged.

Tibetan 105br. Intermediate Colloquial Tibetan

Catalog Number: 1151

Leonard W. J. van der Kuijp and assistant

Half course (spring term). M., Tu., 2–3:30. EXAM GROUP: 7, 8, 16, 17

Tibetan 106ar. Advanced Colloquial Tibetan

Catalog Number: 7094

Leonard W. J. van der Kuijp and assistant

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 Kuip and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Tibetan 101 and 102, or equivalent.

[Tibetan 111. The History and Civilization of Tibet and the Buddhist Himalayas]

Catalog Number: 2749

Leonard W. J. van der Kuip

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Cross-Listed Courses

Primarily for Graduates

Tibetan 200ar. Classical Poetic Tibetan

Catalog Number: 7360

Leonard W. J. van der Kuip

Half course (spring term). W., 2–5. EXAM GROUP: 7, 8, 9

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.

[Tibetan 202r. Readings in Advanced Philosophical Tibetan]

Catalog Number: 7601

Leonard W. J. van der Kuip

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 2008–09.

Tibetan 206r (formerly Tibetan 206). Readings in Tibetan: Seminar

Catalog Number: 8751

Janet Gyatso (Divinity School) and assistant.

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Readings will focus on polemical writings during the period of the Fifth Dalai Lama regarding the practice of Tantric Buddhism and its relation to Tibetan culture and civilization, including works by the Great Fifth himself.

Note: Offered jointly with the Divinity School as 3898.

Prerequisite: At least one year of coursework reading classical Tibetan or the equivalent is required.

[Tibetan 219. Tibetan Religious Literature]

Catalog Number: 9500

Janet Gyatso (Divinity School)



Half course (fall term). Hours to be arranged.

A seminar in the reading of Tibetan primary sources for the study of Tibetan religion and cultural history. In fall 2004, the readings will cover texts on ritual and narrative from monastic and other sources.

Note: Expected to be given in 2008–09. Offered jointly with the Divinity School as 3892.

Prerequisite: Reading knowledge of classical Tibetan.

[Tibetan 220. Introduction to the Tibetan Buddhist Schools: The Sakya Tradition]

Catalog Number: 0367

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2008–09. Readings in Tibetan.

[Tibetan 222. Introduction to the Tibetan Calendars and Astrology]

Catalog Number: 4513

Leonard W. J. van der Kuijp

Half course (spring term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of Tibetan required.

[Tibetan 223. Readings in the Writings of Long chen pa, 1309–1364]

Catalog Number: 9923

Leonard W. J. van der Kuijp

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2009–10.

Prerequisite: Reading knowledge of Tibetan.

Tibetan 227. History of Tibetology: Seminar - (New Course)

Catalog Number: 7688

Leonard W. J. van der Kuijp

Half course (spring term). F., 1–4. EXAM GROUP: 6, 7, 8

Tibetan 228. Readings in Modern Tibetan Academic Writing - (New Course)

Catalog Number: 6770

Leonard W. J. van der Kuijp and assistant.

Half course (fall term). Tu., 4–6; Th., at 1. EXAM GROUP: 15, 18

This course will focus on some of the writings of Dung dkar Geshe, Chab spel, and Byams pa 'phrin las.

Prerequisite: Reading knowledge of Tibetan.

Graduate Courses of Reading and Research

***Tibetan 300. Reading and Research**

Catalog Number: 0666

Leonard W. J. van der Kuijp 1556 (on leave fall term)



***Tibetan 302. Direction of AM Theses**

Catalog Number: 6927

Leonard W. J. van der Kuijp 1556 (on leave fall term)

***Tibetan 305. Tibetan and Himalayan Studies**

Catalog Number: 4377

Leonard W. J. van der Kuijp 1556 (on leave fall term)

Thai

For Undergraduates and Graduates

Thai 101a. Introductory Thai I

Catalog Number: 5395

Parimal G. Patil and assistant

Half course (fall term). Hours to be arranged.

Note: Given in alternate years.

Thai 101b. Introductory Thai II

Catalog Number: 6557

Parimal G. Patil and assistant

Half course (spring term). Hours to be arranged.

Note: Given in alternate years.

Thai 102a. Intermediate Thai I

Catalog Number: 8582

Parimal G. Patil and assistant

Half course (fall term). Hours to be arranged.

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.

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

Parimal G. Patil and assistant

Half course (spring term). Hours to be arranged.

Prerequisite: Thai 102a.

Thai 103ar. Readings in Thai I

Catalog Number: 7590



Parimal G. Patil and assistant.
Half course (fall term). Hours to be arranged.

Thai 103br. Readings in Thai II

Catalog Number: 7593
Parimal G. Patil and assistant.
Half course (spring term). Hours to be arranged.

Graduate Courses of Reading and Research

***Thai 300. Reading and Research**

Catalog Number: 5368
Ali S. Asani 7739 (spring term only), Parimal G. Patil 4478 (fall term only) and assistant
Half course (fall term; repeated spring term). Tu., 4–6.

Slavic Languages and Literatures

AN HISTORICAL EDITION OF FAS COURSES OF INSTRUCTION

Faculty of the Department of Slavic Languages and Literatures

Stephanie Sandler, Ernest E. Monrad Professor of Slavic Languages and Literatures (*Chair*) (*on leave 2007-08*)

Julie A. Buckler, Professor of Slavic Languages and Literatures (*Acting Chair*)

Anna Baranczak, Preceptor in Slavic Languages and Literatures

Stanislaw Baranczak, Alfred Jurzykowski Professor of Polish Language and Literature (*on leave 2007-08*)

Jonathan H. Bolton, Assistant Professor of Slavic Languages and Literatures, Contin Ed/Spec Prog Instructor

Svetlana Boym, Curt Hugo Reisinger Professor of Slavic Languages and Literatures and Professor of Comparative Literature (*on leave 2007-08*)

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 (*on leave 2007-08*)

Vladimir Y. Gitin, Senior Preceptor in Slavic Languages and Literatures

Harvey Goldblatt, Visiting Professor of Slavic Languages and Literatures (*Yale University*) (*spring term only*)

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave spring*)



term)

Mikhail Gronas, Visiting Assistant Professor of Slavic Languages and Literatures (*Dartmouth College*) (*fall term only*)

Nora Hampl, Preceptor in Slavic Languages and Literatures

John E. Malmstad, Samuel Hazzard Cross Professor of Slavic Languages and Literatures

Joanna Nizynska, Assistant Professor of Slavic Languages and Literatures

Natalia Pokrovsky, Preceptor in Slavic Languages and Literatures

Natalia Reed, Preceptor in Slavic Languages and Literatures

Laura Schlosberg, Lecturer on Slavic Languages and Literatures

William Mills Todd III, Harry Tuchman Levin Professor of Literature and Professor of Comparative Literature, Harvard College Professor (*Director of Graduate Studies*)

Yuri Tsivian, Visiting Professor of Slavic Languages and Literatures (*University of Chicago*) (*spring term only*)

Aida Vidan, Preceptor in Slavic Languages and Literatures (*on leave fall term*)

Justin Weir, Professor of Slavic Languages and Literatures (*Director of Undergraduate 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.fas.harvard.edu/~slavic.

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., W., F., at 10, Tu., at 9; with an additional hour of speaking practice, Fall: Th., at 10 or 11; or W., at 1 or 2; or F., at 9; Spring: Th., at 9, 10, 11, 1, or 2. Section III: M., through W., F., at 11. 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. Reading and discussion of stories, biography, and poetry.

Note: See sectioning note above.



Slavic Aab. Beginning Russian (Intensive)

Catalog Number: 4441

Natalia Reed, Natalia Chirkov, and others

Full course (fall term; repeated spring term). M., through F., at 9, with 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 Acd (formerly Slavic Ac). Grammar and Vocabulary Review for Heritage Speakers

Catalog Number: 0496

Natalia Reed, Patricia R. Chaput and others

Full course. M., W., F., at 1, with speaking practice M., at 2. 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: See sectioning note above. Special section for heritage speakers.

Prerequisite: Placement at this level.

Slavic B. Intermediate Russian

Catalog Number: 3262

Natalia Reed, Curt F. Woolhiser (spring term), and others

Full course. M., W., F., at 9 or 10, with two additional hours of speaking practice Tu., Th., at 9, 10, 11 or 1. 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, 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. through F., at 9, with three additional hours of speaking practice M., W., F., at 1. EXAM GROUP: 2, 11

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 Bb. Intermediate Russian: Second Term

Catalog Number: 1165

Vladimir Y. Gitin and Natalia Chirkov

Half course (fall term). M., W., F., at 11; with two additional hours of speaking practice M., F.,



at 1. EXAM GROUP: 4

Covers the content of the second semester of Slavic B.

Note: See sectioning note above. No auditors permitted. May not be taken Pass/Fail.

Prerequisite: Slavic Ba or placement at this intermediate level. One and a half year's practice in spoken Russian.

Slavic Ca. Beginning Czech I

Catalog Number: 2173

Nora Hampl

Half course (fall term). M., W., Th., at 9; and an additional hour for speaking practice to be arranged. EXAM GROUP: 2, 11

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 (fall term; repeated spring term). Tu., Th., 1; F., 12; and an additional hour for speaking practice to be arranged.

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 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 based on student course proposals.

Note: Department application required. No applications accepted after the fifth day of classes. Interested students should submit on-line applications to staff assistant Stuart 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 for 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 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 based on student course proposals.

Note: Department application required. No applications accepted after the fifth day of classes. Interested students should submit on-line applications to staff assistant Stuart Butcher, preferably by the second day of classes. Applications may be found on the department website under Resources.

Slavic Ea. Beginning Bosnian, Croatian, and Serbian I

Catalog Number: 3163

Patricia R. Chaput and others

Half course (fall term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

An introductory course for students with no prior knowledge of these languages. Fundamentals of grammar; work on listening and reading comprehension. Students will choose Bosnian, Croatian, or Serbian for their oral and written work; listening and reading comprehension will include both variants.

Slavic Eb. Beginning Bosnian, Croatian, and Serbian II

Catalog Number: 2683

Aida Vidan

Half course (spring term). M., W., F., at 9, and an additional hour for speaking practice to be arranged. EXAM GROUP: 2

Continuation of Slavic Ea. Continued work on vocabulary expansion with further development of written and oral skills. Readings and discussion of simple or adapted poetry and prose.

***Slavic Er. Supervised Readings in Intermediate/Advanced Bosnian, Croatian, and Serbian**

Catalog Number: 7413

Patricia R. Chaput and others (fall term) and Aida Vidan (spring term)

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 based on student course proposals.

Note: Department application required. No applications accepted after the fifth day of classes. Interested students should submit on-line applications to staff assistant Stuart 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 for 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 for 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

George G. Grabowicz (fall term) and Vladimir Y. Gitin (spring term)

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 based on student course proposals.

Note: Department application required. No applications accepted after the fifth day of classes. Interested students should submit on-line applications to staff assistant Stuart 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, Vladimir Y. Gitin, and Curt F. Woolhiser (fall term)

Half course (fall term; repeated spring term). Fall: M., W., F., at 11 or 1; with speaking practice: Tu., Th., at 10, 11, 1 or 2; Spring: M., W., F., at 1; with speaking practice: Tu., Th., at 10 or 11. EXAM GROUP: Fall: 4; Spring: 6

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 and Patricia R. Chaput

Half course (fall term). M., at 3; T., 11:30-1., F., 2-4. EXAM GROUP: 7, 8

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. 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; Speaking Practice: Tu., Th., at 1; Tu., Th., at 2; or W., F., at 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 104. Advanced Russian: Topics in Russian Culture

Catalog Number: 0795

Natalia Pokrovsky

Half course (spring term). M., W., F., at 10. 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 105. Advanced Russian through Film]

Catalog Number: 2035

Half course (spring term). M., W., F., at 11. EXAM GROUP: 4

In close study of four Russian films of the 1980s and 1990s, this course explores topics in Russian culture through images and the language of personal interactions among characters. Continuing work on vocabulary building and fluency through speaking practice and written compositions.

Note: Expected to be given in 2008-09. See sectioning note above.

Prerequisite: Slavic 103 or permission of the instructor.

Slavic 109. Theater Workshop

Catalog Number: 1221

Natalia Chirkov

Half course (fall term). Tu., Th., 2-4. EXAM GROUP: 16, 17

Intensive work on pronunciation, intonation, syntax, and vocabulary of spoken Russian using



short plays of the 19th and 20th centuries as a vehicle for practice. Students prepare readings of plays and may stage one short piece. Written work to reinforce vocabulary and composition skills.

Note: See sectioning note above.

Prerequisite: Slavic 101 or permission of instructor.

***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, 104, 105, or placement at this level or above.

[Slavic 116. Stylistics]

Catalog Number: 3480

Vladimir Y. Gitin

Half course (spring term). Hours to be arranged.

Examines different styles, identifies features in texts of different kinds, and interprets passages in literary texts used for stylistic effect. Writing exercises will focus on neutral style, vocabulary development, and phrasing. Intended for students who need a practical command of style and



register in reading, speaking, and writing.

Note: Expected to be given in 2008–09.

Prerequisite: Slavic 121.

[*Slavic 119. Contemporary Issues: Nationalities of the Former Soviet Union]

Catalog Number: 0636

Curt F. Woolhiser

Half course (spring term). M., W., F., at 1. EXAM GROUP: 6

The former Soviet Union as a multinational state, seen in its historical development and in the light of recent events. Questions of national identity and their political and academic consequences. Introduction to related demographic issues. Reading, discussion, composition, and supplementary written work, as needed.

Note: Expected to be given in 2008–09. See sectioning note above.

Prerequisite: Slavic 104, 111, 112, 117, or permission of the instructor.

***Slavic 120r. Supervised Readings in Advanced Russian**

Catalog Number: 7121

Patricia R. Chaput and Curt F. Woolhiser

Half course (fall term; repeated spring term). Hours to be arranged.

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. Interested students should contact Professor Chaput before the first day of class to apply. No applications accepted after the third day of classes.

Slavic 121. Advanced Russian: Reading Literary Texts

Catalog Number: 4812

Vladimir Y. Gitin

Half course (fall term). Hours to be arranged.

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 Literature, Culture, and Philology

Primarily for Undergraduates

***Slavic 91r. Supervised Reading and Research**

Catalog Number: 2713

Justin Weir 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

Jonathan H. Bolton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

An intensive introduction to theories of literary interpretation and literary history (including Russian Formalism, structuralism and post-structuralism, psychoanalytic and anthropological approaches, New Historicism and cultural studies) with readings from major works in Russian, Czech, and Polish literature.

Note: Expected to be given in 2008–09. For concentrators in Slavic Literatures and Cultures.

***Slavic 98. Tutorial—Junior Year**

Catalog Number: 1684

John E. Malmstad (fall term) and Julie A. Buckler (spring term)

Full course. Fall: W., 3–5; Spring: W., 2–4. EXAM GROUP: Fall: 8, 9; Spring: 7, 8

Note: Required of junior concentrators in Slavic Literatures and Cultures. Other students may enroll for one or both terms.

***Slavic 99a (formerly *Slavic 99r). Tutorial--Senior Year - (New Course)**

Catalog Number: 9278

Justin Weir 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 - (New Course)**

Catalog Number: 5592

Justin Weir 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

[Foreign Cultures 72. Russian Culture from Revolution to Perestroika]

Foreign Cultures 92. From the Prague Spring to the Velvet Revolution: Czech Culture under Communism - (New Course)

***Freshman Seminar 30l. George Balanchine: Russian-American Master - (New Course)**

***Freshman Seminar 32i. The Films of Sergei Eisenstein - (New Course)**



Freshman Seminar 37p. Reading Tolstoy's *War and Peace

[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-50. Russian Imperial Masterworks and Their Post-Histories

Literature and Arts C-51. Revolution and Reaction: The Rise and Fall of the Russian Avant-Garde

For Undergraduates and Graduates

[Slavic 125. Modern Russian in Historical Perspective]

Catalog Number: 5646

Half course (fall term). Hours to be arranged.

Analysis of apparent exceptions and oddities in the phonology, morphology, and syntax of contemporary Russian through the prism of historical changes and developments.

Note: Expected to be given in 2008–09.

Prerequisite: Slavic B, Bab, or placement at the third-year level.

[Slavic 126a. Structure of Modern Russian: Phonology and Morphology]

Catalog Number: 3083

Half course (spring term). Hours to be arranged.

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 2008–09.

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. EXAM GROUP: 4

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 2008–09. 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). M., 2–4. EXAM GROUP: 7, 8

Survey of period literature from the Baroque times to the first decades of the 19th century.

Discussion of major literary movements and genres; problems of periodization; cultural practices within the courtly, private, and religious spheres; the pastoral, erotic, and utopian themes; European models (including masonic) for Russian literary production. Focuses especially on the beginnings of modern Russian prosody and ends with an elaboration of the poetic legacy of G. R. Derzhavin.

Note: Expected to be given in 2008–09.

Prerequisite: Good reading knowledge of Russian.

[Slavic 145a. Russian Literature in Translation: The 19th-Century Tradition]

Catalog Number: 5191

Half course (spring term). Hours to be arranged.

A survey of major works, chiefly fiction, from Pushkin through Dostoevsky, Tolstoy, and Chekhov.

Note: Expected to be given in 2008–09. All readings in English.

Slavic 145b. Russian Literature and Revolution

Catalog Number: 6663

Justin Weir

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

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: All readings in English.

[Slavic 150. One Writer]

Catalog Number: 7644

John E. Malmstad

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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 2008–09. Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

[Slavic 152. Pushkin]

Catalog Number: 8023

William Mills Todd III

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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 2008–09.

Prerequisite: Good reading knowledge of Russian.

[Slavic 153. Short Russian Prose]

Catalog Number: 1743

John E. Malmstad

Half course (fall term). Hours to be arranged.

Readings in Russian short forms from Gogol to Nabokov. Primary emphasis on close reading.

Note: Expected to be given in 2008–09. Readings in Russian, discussion in English.

Prerequisite: Slavic 101 or its equivalent, and above.

Slavic 154. Introduction to Russian Poetry - (New Course)

Catalog Number: 6038

John E. Malmstad

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

An introduction to the major genres of Russian verse from the 18th through the 20th centuries.

Primary emphasis on close reading of lyrics.

Note: 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: No knowledge of Russian required.

[Slavic 156. Vladimir Nabokov: A Cross-Cultural Perspective]

Catalog Number: 8650

Svetlana Boym

Half course (spring term). Hours to be arranged.

Examines Nabokov's poetry, fiction, film scripts, and essays from Russian, European and American periods. Attention to issues of literary modernism, cultural translation and memory.

Additional readings from Chekhov, Proust, Bergson, Borges, and others.

Note: Expected to be given in 2008–09.

[Slavic 157. Tolstoy]

Catalog Number: 2005

Justin Weir

Half course (spring term). Hours to be arranged.

Tolstoy's development as a writer and thinker, beginning with his early diaries and progressing through the great novels, *War and Peace* and *Anna Karenina*, to the late stories and plays.

Examines Tolstoy's work in light of recent critical approaches to authorship, artistic biography, literary canon, 19th-century notions of sexuality and morality. How has Tolstoy been variously



interpreted in Russian, Soviet, and Western-humanistic contexts? How did Tolstoy view his own work at various points in his life?

Note: Expected to be given in 2008–09. No knowledge of Russian required.

[Slavic 158. Women/Poets]

Catalog Number: 3895

Joanna Nizynska and Stephanie Sandler

Half course (spring term). Hours to be arranged.

How have twentieth-century women changed poetry? How have they found new readers? Concentrates on Russian, Polish, and American poets, among them Akhmatova, Tsvetaeva, Shvarts, Lipska, Kamienska, Szymborska, Plath, Graham, Dove, Howe, Guest. Explores their acts of self-fashioning and linguistic performance, and the forms of staged reticence and resistance in their work. Attention to feminist and other theory, with an emphasis on connections among national cultures.

Note: Expected to be given in 2008–09. All texts available in English translation.

Slavic 159. Approaches to Tolstoy

Catalog Number: 4018

Justin Weir

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

Tolstoy and his major fiction from diverse cultural and theoretical perspectives. To what extent do the texts themselves seem to invite such approaches?

Prerequisite: Slavic 101 or an equivalent acceptable to instructor.

[Slavic 162r. Polish Literature from 1945 to 1989]

Catalog Number: 8395

Anna Baranczak

Half course (spring term). M., W., at 12. EXAM GROUP: 5

Introduction to Polish post-war literature. Close reading in the original of selected works from the Nazi-deathcamp stories of Borowski, literature written in exile (Gombrowicz, Wat), plays by Mrozek to poetry of Bialoszewski, Herbert, Milosz, Szymborska, “Generation 68,” and documents from the Office of Censorship. Focus on writer’s responses to literary tradition, literary and political institutions (official and underground), and sociopolitical reality.

Introduction to films by Wajda based on Polish literature and history after the war.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of Polish.

[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. EXAM GROUP: 6, 7

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 2008–09. 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 169. 20th-Century Ukraine: Literature, Arts, and Society]

Catalog Number: 4126

George G. Grabowicz

Half course (spring term). Hours to be arranged.

Examines main currents in Ukrainian intellectual and cultural expression from the eve of the Russian Revolution, through the formation and dissolution of the USSR, to the "Orange Revolution" (2004). Topics include populism vs. modernism, nationalism vs. socialism, Literary Discussion of the 1920s, Stalinism, Glasnost, linguistic, and national identity. Focus on literature, film (Dovzhenko, Paradzhanov, Illienko), and theater (Kurbas); guest lectures on music and art.

Note: Expected to be given in 2008–09. Readings in English. Films subtitled.

Slavic 170. Polish Literature from 1945 to the Present

Catalog Number: 5555

Joanna Nizynska

Half course (fall term). Th., 11–1. EXAM GROUP: 13, 14

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: All readings in English. Students who wish to work in the original may arrange it with the instructor.

[Slavic 173. Polish Romanticism]

Catalog Number: 2240

George G. Grabowicz

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Overview of the major artistic and intellectual trends and close reading of key works by the major writers: Malczewski, Mickiewicz, Slowacki, Krasinski, and others. Focus also on the central role of Romanticism in Polish culture.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of Polish.



Slavic 174. Romantic Word, Romantic Deed: Conference Course

Catalog Number: 1188

Joanna Nizynska

Half course (spring term). Th., 12–2. EXAM GROUP: 14, 15

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: All readings in English. Students who wish to work in the Polish original may arrange a special section with the instructor.

Slavic 181. Russian Poetry of the 19th Century

Catalog Number: 3307

John E. Malmstad

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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.

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., 1–3. EXAM GROUP: 6, 7

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.

Note: Expected to be given in 2008–09.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

Slavic 191. Taste and Memory: Cognitive Approach to Literature - (New Course)

Catalog Number: 4788

Mikhail Gronas (Dartmouth College)

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

Reexamines traditional notions of aesthetics and literary scholarship in light of the newly developing paradigm of cognitive poetics. Focuses mainly on the cognitive processes in creation, circulation, perception, and evaluation of cultural artifacts. After establishing a theoretical background (in cognitive poetics, sociology of tastes, memetics), emphasizes empirical analysis of our own reactions to 20th-century literary and art works, films, blogs, on-line customer reviews.

Note: All texts available in English, but reading texts in the original is encouraged. Primarily for graduate students, but qualified undergraduates are welcome.



[Slavic 195. Myths of Central Europe after World War II: Conference Course]

Catalog Number: 4701

Jonathan H. Bolton

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

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 2008–09. 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. EXAM GROUP: 16, 17

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: All readings in English.

Slavic 197. Rebels With A Cause: Dissident Culture in Central Europe: Conference Course - (New Course)

Catalog Number: 8810

Joanna Nizynska and Jonathan H. Bolton

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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, Patocka; films by Menzel, Kieslowski.

Note: All readings are in English.

Cross-listed Courses

History 1514. Early Modern Eastern Europe (1450-1795) - (New Course)

***History 1529. East European Identities: Russia and Ukraine: Reading Seminar - (New Course)**

Linguistics 110. Introduction to Linguistics

[Literature 102. On Narrative]

[*Literature 140 (formerly *Literature 128). Performing Texts]

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 201. Introduction to East Slavic Languages]

Catalog Number: 5134

Half course (spring term). Hours to be arranged.

Introduction to the structure and history of Russian, Ukrainian, and Belarusian.

Note: Expected to be given in 2008–09.

Prerequisite: Linguistics 250.

Slavic 206. Topics in Russian Literature: From the Origins of East Slavic Writing to 1750 - (New Course)

Catalog Number: 8106

Harvey Goldblatt (Yale University)

Half course (spring term). Tu., 1–3. EXAM GROUP: 15, 16

Representative works from both "old" Russian writing and the "new" Russian literature of the 17th and early 18th centuries to be examined against a broad comparative background to illustrate various literary types and writing techniques.

Note: Open to qualified undergraduates.

Prerequisite: Linguistics 250.

Slavic 222. 20th-Century Ukrainian Poetry - (New Course)

Catalog Number: 2638

George G. Grabowicz

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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.

Prerequisite: Reading knowledge of Ukrainian.

[Slavic 223. 19th-Century Ukrainian Poetry]

Catalog Number: 2097

George G. Grabowicz

Half course (spring term). W., 2–4. EXAM GROUP: 7, 8

A survey of the major poets: Kotljarevs'kyj, Hulak and the pre-Romantics, Shevchenko, Kulish, Rudans'kyj, Franko, and Lesja Ukrajinka.

Note: Expected to be given in 2008–09.

Prerequisite: Reading knowledge of Ukrainian.

Slavic 269. Structure of Russian for Instructors

Catalog Number: 7807

Patricia R. Chaput

Half course (spring term). F., 2-4 and an additional hour to be arranged. EXAM GROUP: 7, 8



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.

[Slavic 280r. Slavic Culture: Seminar]

Catalog Number: 1909

Michael S. Flier

Half course (spring term). Hours to be arranged.

Topic for 2005-06: The Culture of Medieval Rus': Art, architecture, ritual, literature.

Note: Expected to be given in 2008–09.

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930]

Catalog Number: 1058

Svetlana Boym

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

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, Mandelstam, Tsvetaeva, Babel, Shklovsky, Nabokov, Vertov, and Eisenstein.

Note: Expected to be given in 2008–09. Most texts 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). Hours to be arranged.

Topic for 2005–06: The culture of Russian avant-garde.

Note: Expected to be given in 2008–09.

Prerequisite: Slavic 101 or an equivalent acceptable to the instructor.

[Slavic 287. Poetic Self-Creation in 20th-Century Russia: Seminar]

Catalog Number: 8028

Stephanie Sandler

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines how poems create self-images for poets working in and after Russian modernism, including Khlebnikov, Mandel'shtam, Tsvetaeva, Zabolotskii, Petrovykh, Brodsky, Sedakova, Shvarts, Iskrenko, Zhdanov, and Dragomoshchenko. Relies on literary and psychoanalytic theories of identity.

Note: Expected to be given in 2009–10. Open to qualified undergraduates with permission of instructor.

Prerequisite: Reading knowledge of Russian required.

[Slavic 295. The Language of Medieval Novgorod: Seminar]

Catalog Number: 3912

Michael S. Flier

Half course (fall term). Hours to be arranged.



Consideration of the phonological, morphological, syntactic, and lexical peculiarities of the Old Novgorod dialect in light of the historical development of East and West Slavic. Particular attention to the evidence from the Novgorod birchbark documents (11th–15th centuries).

Note: Expected to be given in 2008–09.

Prerequisite: Linguistics 250, 252, and Slavic 201.

[*Slavic 299. Proseminar]

Catalog Number: 7972

Julie A. Buckler

Half course (fall term). Hours to be arranged.

Introduction to graduate study in Slavic. Selected topics in literary analysis, history, and theory.

Note: Expected to be given in 2008–09. Open to qualified undergraduates with permission of the instructor.

Cross-listed Courses

[*Comparative Literature 261. Memory and Modernity: Seminar]

[*Comparative Literature 262. Aesthetics and Freedom]

[Comparative Literature 273. Approaches to Modernity: The Metropolis]

[Comparative Literature 275. Theory of Narrative: Conference Course]

[Linguistics 250. Old Church Slavonic]

[*Visual and Environmental Studies 288. Dziga Vertov and His Time: Left-Wing Art, Avant-Garde Filmmaking, Radical Politics - \(New Course\)](#)

Graduate Courses of Reading and Research

***Slavic 300. Direction of Doctoral Dissertations**

Catalog Number: 4477

Jonathan H. Bolton 4892, Svetlana Boym 1926 (on leave 2007-08), Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878 (on leave 2007-08), George G. Grabowicz 4511 (on leave spring term), John E. Malmstad 1219, Joanna Nizynska 4891, Stephanie Sandler 1343 (on leave 2007-08), William Mills Todd III 1634, and Justin Weir 3407

***Slavic 301. Reading and Research**

Catalog Number: 3385

Jonathan H. Bolton 4892, Svetlana Boym 1926 (on leave 2007-08), Julie A. Buckler 2960, Patricia R. Chaput 6222, Michael S. Flier 2878 (on leave 2007-08), George G. Grabowicz 4511 (on leave spring term), John E. Malmstad 1219, Joanna Nizynska 4891, Stephanie Sandler 1343 (on leave 2007-08), William Mills Todd III 1634, and Justin Weir 3407

***Slavic 302. Language Teaching: Content and Conduct**

Catalog Number: 5961

Patricia R. Chaput 6222

Half course (fall term). Hours to be arranged.

Required in the first year of language teaching. Includes orientation, discussion of topics in teaching language at the college level, and supervised teaching.



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*)
Jennifer L. Hochschild, Henry LaBarre Jayne Professor of Government and Professor of African and African American Studies, Harvard College Professor
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Jeffrey B. Liebman, Malcolm Wiener Professor of Public Policy (*Kennedy School*)
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
Christopher Winship, Diker-Tishman Professor of Sociology

Other Faculty Offering Instruction in Social Policy

Mary C. Brinton, Reischauer Institute Professor of Sociology
Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)
Torben Iversen, Harold Hitchings 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
Robert D. Putnam, Peter and Isabel Malkin Professor of Public Policy
Robert J. Sampson, Henry Ford II Professor of the Social Sciences
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the Graduate School of Arts and Sciences (*on leave spring term*)
Mary C. Waters, M. E. Zukerman Professor of Sociology
Martin K. Whyte, Professor of Sociology, Acting Director of the Fairbank Center for East Asian Research
Julie Boatright Wilson, Harry S. Kahn Senior Lecturer on Social Policy (*Kennedy School*)

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, Byerly Hall, 2nd Floor, 8 Garden Street, Cambridge, MA 02138. Further information about the joint degree programs may be obtained from the program website (www.ksg.harvard.edu/socialpol). Questions or requests for additional printed materials should be directed to Pamela Metz, Director, via e-mail (socialpolicy@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

Robert J. Sampson 4546

Half course (fall term; repeated spring term). Fall: Tu., 12–1:30.

Presentation of dissertation prospectus or chapters-in-progress in a seminar/workshop format.

Required of doctoral candidates in Social Policy.

***Social Policy 302. Doctoral Dissertation Research**

Catalog Number: 9707

Members of the Committee

Cross-listed Courses

[*Government 2340. Proseminar on Inequality and Social Policy II](#)

[*Sociology 296a. Proseminar on Inequality and Social Policy I](#)

***Sociology 307. Workshop 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*) (*on leave 2007-08*)
Charles S. Maier, Leverett Saltonstall Professor of History (*Acting Chair*)
David R. Armitage, Lloyd C. Blankfein Professor of History
Eric Beerbohm, Teaching Assistant in Government, Assistant Professor of Government and of Social Studies
Anya Bernstein, Senior Lecturer on Social Studies (*Director of Studies*)
Richard N. Cooper, Maurits C. Boas Professor of International Economics
Kimberly McClain DaCosta, Associate Professor of African and African American Studies and of Social Studies, Fellow, Dept/Prog (Stip) (*on leave 2007-08*)
Peter E. Gordon, Professor of History
Peter A. Hall, Krupp Foundation Professor of European Studies (*on leave spring term*)
Michael Herzfeld, Professor of Anthropology
Michael J. Hiscox, Professor of Government
Engseng Ho, Professor of Anthropology (*on leave spring term*)
Stanley Hoffmann, Paul and Catherine Buttenwieser University Professor
James T. Kloppenberg, Charles Warren Professor of American History, Harvard College Professor, Department Chair of History
Michael R. Kremer, Gates Professor of Developing Societies
Steven R. Levitsky, John L. Loeb Associate Professor of the Social Sciences, Professor of Government
Jens Meierhenrich, Assistant Professor of Government and of Social Studies
D. Glyn Morgan, Associate Professor of Government and of Social Studies
Elizabeth J. Perry, Henry Rosovsky Professor of Government
Nancy Lipton Rosenblum, Senator Joseph S. Clark Professorship of Ethics in Politics and Government
Michael J. Sandel, Anne T. and Robert M. Bass Professor of Government
Thomas M. Scanlon, Jr., Alford Professor of Natural Religion, Moral Philosophy, and Civil Polity
Matthias Schündeln, Assistant Professor of Economics and of Social Studies (*on leave 2007-08*)
Tommie Shelby, Professor of African and African American Studies and of Philosophy
Mary M. Steedly, Professor of Anthropology
Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies, Associate Professor of Anthropology and of Social Studies
Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies



Christopher Winship, Diker-Tishman Professor of Sociology
Daniel F. Ziblatt, Associate Professor of Government and of Social Studies (*on leave 2007-08*)

Other Faculty Offering Instruction in Social Studies

Kiku Adatto, Lecturer on Social Studies
Terry K. Aladjem, Lecturer on Social Studies
Eric Beerbohm, Teaching Assistant in Government, Assistant Professor of Government and of Social Studies
Sadhana Bery, Lecturer on Social Studies
Deborah A. Boucoyannis, Lecturer on Social Studies
Dawn M. Brancati, Lecturer on Social Studies
Paulo S. Daflon Barrozo, Lecturer on Social Studies
Noah I. Dauber, Lecturer on Social Studies
Robert Fannion, Lecturer on Social Studies, Teaching Assistant in the Core Curriculum
Mary Anne A. Franks, Lecturer on Social Studies
Marshall L. Ganz, Lecturer on Social Studies
Jonathan M. Hansen, Lecturer on Social Studies
Patti T. Lenard, Lecturer on Social Studies
Stephen A. Marglin, Walter S. Barker Professor of Economics
Helen Beckler Marrow, Lecturer on Social Studies
Darra D. Mulderry, Lecturer on Social Studies
Robert H. Neugeboren, Lecturer on Social Studies
Nicole D. Newendorp, Lecturer on Social Studies
Thomas Ponniah, Lecturer on Social Studies
Nikolas Prevelakis, Lecturer on Social Studies
Austin D. Sarat, Visiting Professor of Social Studies (*Amherst College*) (*fall term only*)
Fred C. Schaffer, Lecturer on Social Studies
John Summers, Lecturer on Social Studies
Adam Webb, Lecturer on Social Studies

Primarily for Undergraduates

***Social Studies 10a. Introduction to Social Studies**

Catalog Number: 5278

D. Glyn Morgan and Staff

Half course (fall term). Tu., 2–4, and a weekly section to be arranged. EXAM GROUP: 16, 17

This course offers an introduction to the classic texts of social theory. The class focuses on the rise of a modern commercial society. We read those texts that offer the most compelling justifications and criticisms of this type of society. Authors include: Adam Smith, John Stuart Mill, Karl Marx, Max Weber, Thorstein Veblen, Joseph Schumpeter, Karl Polanyi, and Friedrich Hayek.

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 - (New Course)**

Catalog Number: 5097

D. Glyn Morgan and Staff

Half course (spring term). Tu., 2–4, and a weekly tutorial to be arranged.

This class continues the introduction to the classic texts of social theory. The class focuses on the rise of the individual and the demise of traditional societies. Authors include Max Weber, Emile Durkheim, Sigmund Freud, Simone de Beauvoir, Michel Foucault, Jurgen Habermas, Alisdair MacIntyre, and Charles Taylor.

Note: This course is limited to Social Studies concentrators who have taken Social Studies 10a.

[*Social Studies 20. Statistics for Social Studies]

Catalog Number: 3643

Half course (spring term). Hours to be arranged.

An introduction to basic research methods and statistics designed primarily for concentrators in Social Studies. No previous background in statistics is required. Assists students in developing the skills to understand statistical methods used in social science research and to conduct quantitative analyses that address research questions. Also prepares students to do quantitative research for projects such as senior honors essays.

Note: Expected to be given in 2008–09.

[*Social Studies 30. Methods of Social Science Inquiry]

Catalog Number: 1054 Enrollment: Limited to 40.

Kimberly Mcclain DaCosta

Half course (spring term). W., 2–4, and a weekly section to be arranged. EXAM GROUP: 7, 8

This course introduces students to research as practiced across the social sciences and is especially designed for juniors who plan to write senior theses. Students will learn to formulate research questions, develop research designs, and bring evidence to bear on their own research questions. Students will write-up a research prospectus for their senior thesis, complete with preliminary findings and avenues for future research.

Note: Expected to be given in 2008–09.

***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: Concentrators must take one fall and one spring tutorial. 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. Modernization and Development: A Critical Perspective - \(New Course\)](#)

Catalog Number: 0752 Enrollment: Limited to 10.

Stephen A. Marglin

Half course (fall term). Hours to be arranged.

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 98fu. Practicing Democracy: Leadership, Community, Power](#)

Catalog Number: 7432 Enrollment: Limited to 10.

Marshall L. Ganz

Half course (fall term). Hours to be arranged.

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 98gf. Modernity and Social Change in East Asia](#)

Catalog Number: 5553 Enrollment: Limited to 10.

Nicole D. Newendorp

Half course (fall term). Th., 1–3. EXAM GROUP: 15, 16

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 98gq. The Global Culture Clash](#)

Catalog Number: 3028 Enrollment: Limited to 10.

Adam Webb

Half course (fall term). Hours to be arranged.

Explores pivotal themes in twentieth century world social thought, with a focus on responses to



modernity. Compares how the major traditions, both Western and non-Western, have adapted to or reacted against a nascent global society based on liberal individualism, technocratic management, and cultural hybridity. Traces the fault line that everywhere divides the defenders and the critics of liberal modernity. Readings will reflect a range of liberal, high-culture, populist, and fundamentalist viewpoints.

Note: This course will be lotteried.

***Social Studies 98hj. Colonial Legacies in Postcolonial Africa**

Catalog Number: 0080 Enrollment: Limited to 10.

Sadhana Bery

Half course (fall term). Hours to be arranged.

Examines the impact of European colonialism on the formation of postcolonial nations in Africa as these nations negotiate colonial histories, modernity, and their pre-colonial pasts to realize conventional and alternative modernities. The course will focus on three topics: Identity (Who is an African? Pan-Africanism; Negritude; Race and Ethnicity; The North-South divide seen through the lens of Arab/African; Whites in Africa); Nation (African Socialism; the "Postcolony" and postcolonial modernity; the impact of globalization; transformation of colonial subjects into political citizens); and historical memory (pre-colonial pasts; memory embodied in culture; writing and teaching of history; the uses of memory). Case studies will be selected from across the continent.

Note: This course will be lotteried.

***Social Studies 98hp. Is Democracy Possible Everywhere?**

Catalog Number: 2183 Enrollment: Limited to 10.

Fred C. Schaffer

Half course (fall term). Hours to be arranged.

Debates today rage about whether democracy is really possible in places like China or the Middle East. This tutorial asks whether there are, in fact, any preconditions for or impediments to the establishment and consolidation of democracy. Among the factors we will consider: mass culture, elite norms, religion, economic development, ethnic pluralism, and associational life.

Note: This course will be lotteried.

***Social Studies 98hq. Civil War and Peace**

Catalog Number: 5288 Enrollment: Limited to 10.

Dawn M. Brancati

Half course (fall term). Hours to be arranged.

Ethnic conflict and secessionism pose a major threat to peace and stability in the twenty first century. In this course we will study the causes and consequences of ethnic conflict and secessionism, as well as the tools countries use to reduce ethnic "them". We will examine not only the pros and cons of each of these different tools, but also the feasibility of implementing them in different countries.

Note: This course will be lotteried.

***Social Studies 98in. Markets**

Catalog Number: 7657 Enrollment: Limited to 10.

Robert Fannion



Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

The market is the social institution that defines the modern world. We live, work, learn, and play embedded in market relationships, but we have only a weak grasp of how they operate and the ways in which they affect our lives. Course will be theoretical work in sociology, political science, economics, and anthropology. What other institutions must exist for markets to function? How do markets create and distribute political power? How do markets shape our identity and values?

Note: This course will be lotteried.

***Social Studies 98ja. Children, Families, and The State - (New Course)**

Catalog Number: 6104 Enrollment: Limited to 10.

Anya Bernstein

Half course (fall term). Hours to be arranged.

This course explores the special status of children and families in American society and politics. We will 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 will 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 98jb. Immigration in America - (New Course)**

Catalog Number: 8018 Enrollment: Limited to 10.

Helen Beckler Marrow

Half course (fall term). Th., 4–6.

Provides an overview of central concepts and trends in contemporary US immigration research. Examines (1) labor migration dynamics, US immigration policy and legislation, and contemporary immigrants' origins and characteristics; (2) the major theoretical frameworks developed to assess immigrants' assimilation and economic/sociocultural incorporation into American life; (3) the growth of the undocumented population; and (4) the current dispersal of immigrants' geographic settlement patterns outside of traditional receiving states and cities and into "new destinations," predominantly in the US South and Midwest.

Note: This course will be lotteried.

***Social Studies 98jd. Modernity: A Course on Contemporary Social Theory - (New Course)**

Catalog Number: 2940 Enrollment: Limited to 10.

Paulo S. Daflon Barrozo

Half course (fall term). W., 4–6.

Examines contemporary theories of the modern society. Starts with a series of philosophical questions about the self, evolution, history, the idea of modernity, and culture before focusing on some of the most rigorous, influential, and fertile works in contemporary social theory.

Note: This course will be lotteried.

***Social Studies 98je. Punishment, Politics, and Culture - (New Course)**

Catalog Number: 4063 Enrollment: Limited to 10.

Austin D. Sarat (Amherst College)

Half course (fall term). Hours to be arranged.



Other than war, punishment is the most dramatic manifestation of state power. Whom a society punishes and how it punishes are key political questions as well as indicators of its character. This course considers connections between punishment and politics in the contemporary US. We will ask whether we punish too much and too severely, or too little and too leniently, consider the politicization and racialization punishment and examine particular modalities through which the state dispenses its penal power. Does punishment express our noblest aspirations for justice or our basest desires for vengeance? When is it appropriate to forgive rather than punish? Throughout we will try to understand the meaning of punishment by examining the way it is represented in politics and popular culture.

Note: This course will be lotteried.

***Social Studies 98jf. Global Justice - (New Course)**

Catalog Number: 9473 Enrollment: Limited to 10.

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, demandingness of human rights, and the ethics of humanitarian intervention.

Note: This course will be lotteried.

***Social Studies 98ji. French Political Thought Since 1930 - (New Course)**

Catalog Number: 5977 Enrollment: Limited to 10.

Stanley Hoffmann

Half course (fall term). Hours to be arranged.

This course will explore the ideas of Raymond Aron, Jean-Paul Sartre, Albert Camus, Simone Weil and Michel Foucault.

Note: This course will be lotteried.

***Social Studies 98jn. International Human Rights: The Challenge of Protecting Vulnerable Populations - (New Course)**

Catalog Number: 9219 Enrollment: Limited to 10.

Jacqueline Bhabha

Half course (fall term). Hours to be arranged.

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.

Note: This course will be lotteried.

Social Studies 98 — Junior Tutorials: Spring Term



***Social Studies 98cl. Law and Society**

Catalog Number: 7389 Enrollment: Limited to 10.

Terry K. Aladjem

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

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 98cv. Authoritarianism and Democracy in Latin America**

Catalog Number: 5595 Enrollment: Limited to 10.

Steven R. Levitsky

Half course (spring term). Tu., 2–4.

Examines regimes and regime change in Latin America, particularly Argentina, Brazil, Chile, Mexico, Peru, Venezuela. Compares modernization, Marxist, cultural, choice-centered, and institutionalist approaches to explaining the military coups of the 1960s/1970s and democratic transitions of the 1980s/1990s.

Note: This course will be lotteried.

[*Social Studies 98ea. Conflict and Cooperation in International Politics] - (New Course)

Catalog Number: 4805 Enrollment: Limited to 10.

Michael J. Hiscox

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines sources of conflict and cooperation among nations in the current international system. Issues covered include the origins and effects of alliances, deterrence, the impact of democratization, the effects of economic interdependence, environmental problems, ethnic conflict and cultural divisions in world politics.

Note: Expected to be given in 2008–09. This course will be lotteried.

***Social Studies 98eb. The Politics of International Trade - (New Course)**

Catalog Number: 5254 Enrollment: Limited to 10.

Michael J. Hiscox

Half course (spring term). Tu., 2–4. EXAM GROUP: 16, 17

Examines political conflict over international trade. Major issues covered include the relationship between trade and national security, and the effects of trade on different classes and groups within nations. The seminar addresses debates about strategic trade policy and competition between industrial states, the particular difficulties faced by developing economies, regional trade agreements, the role of the WTO, and the use of economic sanctions.

Note: This course will be lotteried.

***Social Studies 98ei. The Problem of Race in Society and History - (New Course)**

Catalog Number: 9551 Enrollment: Limited to 10.

Sadhana Bery

Half course (spring term). W., 4–6.

"Race is not always the only or most important factor, but race is always a factor" (Richard



Dyer). The course examines this claim through a study of race in society and culture in the US. We will focus on the dominant black-white paradigm of racialization. The positioning of other racialized groups within this paradigm will also be explored. The relationships between race, class and gender in the US and the connections within diasporic whiteness and blackness will be studied. The course will be interdisciplinary in its approach to the study of race to enable us to understand the process of racialization in its manifold and complicated dimensions.

Note: This course will be lotteried.

***Social Studies 98eo. Culture and Society**

Catalog Number: 2114 Enrollment: Limited to 10.

Kiku Adatto

Half course (spring 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.

***Social Studies 98hc. Crimes Against Humanity**

Catalog Number: 0061 Enrollment: Limited to 10.

Jens Meierhenrich

Half course (spring term). Hours to be arranged.

This course provides an introduction to international human rights law. Combining positive and normative perspectives, the course introduces students to the evolution of crimes against humanity, ranging from apartheid to enslavement, and from extermination to rape. The judicial application of these odious crimes, including their adjudication in both municipal and international courts, from the International Military Tribunal at Nuremberg to the Special Court for Sierra Leone, is also discussed.

Note: This course will be lotteried.

***Social Studies 98hm. Prelude to Revolution: American Ideas 1945–1965**

Catalog Number: 1215 Enrollment: Limited to 10.

Darra D. Mulderry

Half course (spring term). Hours to be arranged.

This tutorial explores the social and intellectual roots of ideas on civil rights, democracy, racism, gender, and history of science in the 1960s. Readings include works in political thought, existentialist philosophy, humanistic psychology, fiction, and drama. Authors include Thomas Kuhn, Herbert Marcuse, Hannah Arendt, Arthur Miller, and Betty Friedan. Students will receive guidance in historical methods, and will write a primary research paper. Optional film series will accompany course.

Note: This course will be lotteried.

***Social Studies 98ic. Why Americans Love God and Europeans Don't**

Catalog Number: 1512 Enrollment: Limited to 10.

D. Glyn Morgan



Half course (spring term). W., 7–9 p.m.

This course examines the divergences in religiosity between the US and Europe. The course is intended for students interested in the sociology of religion. It presumes some knowledge of regressions and other simple forms of data analysis.

Note: This course will be lotteried.

***Social Studies 98id. Ethics and Public Policy**

Catalog Number: 0030 Enrollment: Limited to 10.

Eric Beerbohm

Half course (spring term). Th., 2–4. EXAM GROUP: 16, 17

This course examines philosophical arguments about the morality of public policy. Political theory and moral philosophy are brought to bear on three domains of policymaking: the justifiability of political violence, paternalism, and religious and cultural toleration. Policy issues include state-sponsored torture, preemptive warfare, and reparations for historical injustices, workfare programs, racial profiling, and surrogate pregnancies.

Note: This course will be lotteried.

***Social Studies 98if. Nationalism & Religion**

Catalog Number: 9698 Enrollment: Limited to 10.

Nikolas Prevelakis

Half course (spring term). Th., 3:30–5:30.

Examines the relationship between nationalism and capitalism, nationalism and religion, nationalism and literature, as well as issues of national and ethnic conflict. Specific emphasis is given to the difference between types of nationalism, as well as to the importance of national intellectuals. Theoretical literature is tested against empirical evidence from the history of Europe, the US, Japan, the Balkans, and Latin America.

Note: This course will be lotteried.

***Social Studies 98im. Constructing the American Economy**

Catalog Number: 3829 Enrollment: Limited to 10.

Robert Fannion

Half course (spring term). W., 3–5.

How did the American economy become the largest and most diverse in the world? Is it true that the US relies more on unregulated markets than other countries? This course will use institutional, Marxist, and rationalist theories to explore how the American economy developed from industrialization to the present. As we examine how political choices shaped the American economy, the course will consider the relationship between capitalism and democracy and how it has been re-negotiated over time.

Note: This course will be lotteried.

[*Social Studies 98ix. Feminist Theories]

Catalog Number: 9451 Enrollment: Limited to 10.

Members of the Committee.

Half course (spring term). Hours to be arranged.

Introduces students to major trajectories in feminist theory, including liberal, marxist, radical, psychoanalytic, postmodern, transnational, postcolonial, critical race and queer theoretic



approaches to the study of gender and sexuality. There will also be a particular focus on feminist theory that builds on the work of classic and contemporary social theorists, such as Marx, Mill, Nietzsche, Freud, Beauvoir, Foucault and Habermas.

Note: Expected to be given in 2008–09. This course will be lotteried.

***Social Studies 98iz. Critics of Enlightenment: Nietzsche, Foucault, and the Frankfurt School - (New Course)**

Catalog Number: 3515 Enrollment: Limited to 10.

Bo-Mi T. Choi

Half course (spring term). W., 2–5.

This tutorial will trace the vicissitudes of the eighteenth century ideals of reason, critique, and autonomy in 19th and 20th century continental thought. Readings include Kant, Hegel, Marx, Nietzsche, Freud, Horkheimer, Adorno, Habermas, and Foucault. Attention will be paid to continuities and discontinuities of ideas and debates within this tradition, with a special focus on varying conceptions of selfhood, subjectivity, and its social formation.

Note: This course will be lotteried.

***Social Studies 98jg. New Democracies in Comparative Perspective - (New Course)**

Catalog Number: 5596 Enrollment: Limited to 10.

Grzegorz Ekiert

Half course (spring term). Hours to be arranged.

Emerging democracies confront severe social, economic and political challenges that make their survival and consolidation difficult and uncertain. This seminar will examine problems new democracies face using examples of recent democratic transitions from various parts of the world.

Note: This course will be lotteried.

[*Social Studies 98jk. Theories of Development] - (New Course)

Catalog Number: 1309 Enrollment: Limited to 10.

Thomas Ponniah

Half course (spring term). Hours to be arranged.

This course is in many ways a sequel to Social Studies 10. The course looks at some of the greatest contemporary theorists in relation one of the most discussed subjects in the social sciences: globalization and development. The course explores perspectives from different academic disciplines: economics, political science, sociology, anthropology, history, and geography, as well as the popular literature emerging from civil society. Ultimately the course will facilitate students developing their own vision of globalization and development.

Note: Expected to be given in 2008–09. This course will be lotteried.

***Social Studies 98jl. Global Social Movements - (New Course)**

Catalog Number: 8965 Enrollment: Limited to 10.

Jocelyn Viterna

Half course (spring term). Th., 1–3. EXAM GROUP: 15, 16

Social movements are often considered a driving force behind political, social, and cultural change. This course explores the major theoretical and empirical approaches used in the social sciences to understand the emergence, endurance, and outcomes of social movement activism.



Questions of political and social change, state formation and transformation, violence, peace, gender, race/ethnicity, class, identity, and research methods will be examined through an analysis of case studies from the US, Europe, Asia, Africa, and Latin America, as well as transnational movements.

Note: This course will be lotteried.

***Social Studies 98jw. Citizenship Rights in Theory and Practice - (New Course)**

Catalog Number: 5378 Enrollment: Limited to 10.

Theodore Macdonald

Half course (spring term). Tu., 2–4.

Focuses on rights and claims that citizens ---as individuals and as groups---have, aspire to, or demand in modern multicultural democracies -e.g., participation, recognition, equity. First reviews current theory and debates on multiculturalism, identity, recognition, redistribution, assimilation, and self-determination. These concepts are then explored as international human rights norms, contextualized in ethnographic case studies that frame international issues in national and local politics, contested histories, changing demographics, multiple cultures, and competing norms.

Note: This course will be lotteried.

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*)

David L. Ager, Lecturer on Sociology

Jason Beckfield, Assistant Professor of Sociology

Anthony A. Braga, Lecturer on Sociology (*fall term only*)

Mary C. Brinton, Reischauer Institute Professor of Sociology

Nicholas A. Christakis, Professor of Sociology (*FAS*) and Professor of Medical Sociology (*Medical School*)

Frank Dobbin, Professor of Sociology

Filiz Garip, Assistant Professor of Sociology

Neil Gross, Assistant Professor of Sociology (*on leave fall term*)

Jason A. Kaufman, John L. Loeb Associate Professor of Social Sciences (*Head Tutor*)

Tamara Kay, Assistant Professor of Sociology

Michèle Lamont, Robert I. Goldman Professor of European Studies and Professor of Sociology and of African and African American Studies

Stanley Lieberson, Abbott Lawrence Lowell Professor of Sociology, Emeritus



Peter V. Marsden, Harvard College Professor and Professor of Sociology
Timothy Nelson, Lecturer on Sociology
Orlando Patterson, John Cowles Professor of Sociology
Theda Skocpol, Victor S. Thomas Professor of Government and Sociology and Dean of the Graduate School of Arts and Sciences (*on leave spring term*)
Jocelyn Viterna, Assistant Professor of Sociology and of Social Studies
Mary C. Waters, M. E. Zukerman Professor of Sociology
Bruce Western, Professor of Sociology
Martin K. Whyte, Professor of Sociology, Acting Director of the Fairbank Center for East Asian Research
William Julius Wilson, Lewis F. and Linda L. Geyser University Professor
Christopher Winship, Diker-Tishman Professor of Sociology (*Director of Graduate Studies*)

Other Faculty Offering Instruction in the Department of Sociology

Laura L. Adams, Lecturer on Sociology, Preceptor in Expository Writing
Mary-Jo Del Vecchio Good, Professor of Social Medicine (*Medical School*)
Christopher Jencks, Malcolm Wiener Professor of Social Policy (*Kennedy School*)
Helen Beckler Marrow, Lecturer on Social Studies
Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*) (*fall term only*)

Introductory Courses

Sociology 10. Introduction to Sociology

Catalog Number: 4814

Timothy Nelson

Half course (spring term). M., W., (F.), at 12. EXAM GROUP: 5

Introduces sociology as a discipline and as an approach to knowledge-- both for potential sociology concentrators and curious non- concentrators. Designed to equip students with a basic understanding of the history of sociology (Marx, Durkheim, Weber, Parsons, and beyond) and major themes of current sociological research (including but not limited to social networks, organizations and markets, and social psychology). Concludes with explorations of sociological insights on the topics of crime, art, college, and life.

Note: May be counted for introductory concentration requirement, if letter-graded.

Sociology 19. Reinventing Boston: The Changing American City

Catalog Number: 9395

Christopher Winship

Half course (spring 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 or secondary field, if letter-graded.

Sociology 22. Careers and Love in America

Catalog Number: 7997

Mary C. Brinton

Half course (fall term). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

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: May be counted for introductory concentration requirement, if letter-graded.

[Sociology 24. Introduction to Social Inequality]

Catalog Number: 9417

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 2008–09. May be counted for introductory concentration requirement, if letter-graded.

Sociology 25. Introduction to the Sociology of Organizations

Catalog Number: 3609

David L. Ager

Half course (spring term). M., W., (F.), 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.

[Sociology 60. Sociology of Race and Ethnicity]

Catalog Number: 4114

Mary C. Waters

Half course (spring term). Hours to be arranged.

Examines race and ethnic relations in the US from a theoretical, historical, and comparative perspective. Explores the emergence of racial and ethnic minorities through such historical processes as colonialism, slavery, and immigration. Studies the current relations among racial and ethnic groups in the US.

Note: Expected to be given in 2008–09. May be counted for introductory concentration requirement, if letter-graded.



[*Sociology 67. Visualizing Social Problems In Documentary Film and Photography]

Catalog Number: 8622

Tamara Kay

Half course (fall term). Hours to be arranged.

Explores social problems as they are presented and constructed in documentary film and photography. Topics include crime and deviance, poverty, race and gender inequalities, environmental degradation, immigration, urbanization and globalization, and war and terrorism. Examines a variety of documentary film and photography genres such as historical, biographical, ethnographic, satire, and political expose. Compares the processes by which filmmakers and photographers engage in social documentation.

Note: Expected to be given in 2008–09. Limited enrollment. May be counted for introductory concentration requirement, if letter-graded.

Cross-listed Courses

[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]

Tutorials

[*Sociology 91r. Supervised Reading and Research](#)

Catalog Number: 4449

Jason A. Kaufman 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 - \(New Course\)](#)

Catalog Number: 0136

Christopher Winship

Half course (fall term; repeated spring term). Fall: W., 4–5:30; Spring: Tu., 10–11:30. EXAM GROUP: Fall: 9

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: There will be a required discussion meeting lasting 1 hour immediately following the course presentation each week. Both concentrators and non-concentrators are welcome to apply. First meeting required. Students should bring a completed copy of the enrollment form (available on the course website) to the first class meeting.



[*Sociology 96r. Community Based Research]

Catalog Number: 7425

Christopher Winship

Half course (fall term; repeated spring term). Fall: W., 1–3. EXAM GROUP: Fall: 6, 7

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 2008–09. Both concentrators and non-concentrators are welcome to apply. Required first meeting.

Sociology 97. Tutorial in Sociological Theory

Catalog Number: 5079

Jason A. Kaufman

Half course (fall term; repeated spring term). Hours to be arranged.

Introduction to sociological theory, providing a critical understanding of selected classical and contemporary theorists, including Marx, Durkheim, Weber, Parsons, Foucault, Butler, Bourdieu, and Giddens.

Note: Required of concentrators, ordinarily sophomores, and secondary concentrators. Required first organizational meeting.

***Sociology 98. Junior Tutorial**

Catalog Number: 5943 Enrollment: Limited to 8.

Jason A. Kaufman and members of the department (fall and spring term). Filiz Garip, Michèle Lamont, and Helen Beckler Marrow (spring term).

Half course (fall term; repeated spring term). Fall: Tu., 3–5; Spring: Tu., 3–5; M., 4–6; M., 10–12; Tu., 1–3.

Small group research projects centered on common topics that vary by seminar and year. The topic in the Fall term is Residential Segregation and Urban Neighborhoods. In Spring, tutorial topics will include internal and international migration, racism and anti-racism.

Note: Required of and limited to concentrators, ordinarily juniors.

Prerequisite: Sociology 97.

***Sociology 99. Senior Tutorial**

Catalog Number: 6237

Jason A. Kaufman 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.

For Undergraduates and Graduates



[Sociology 107. The American Family]

Catalog Number: 9124

Martin K. Whyte

Half course (spring term). Hours to be arranged.

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: Expected to be given in 2008–09. Discussion section required.

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 10. EXAM GROUP: 3

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 119. Learning from Social Settings: Observing and Talking to People: Conference Course]

Catalog Number: 2570

David L. Ager

Half course (spring term). Hours to be arranged.

Examines the practice of conducting qualitative research: collecting, analyzing, and interpreting original observational and interview data. Emphasis will be on the development of skills that are employed by academics and practitioners (e.g. consultants, teachers, medical professionals, organizational leaders) to conduct qualitative field research in organizations and other social settings. Specifically the course will focus on negotiating entry, observation and note taking, interviewing, data analysis, and reporting of data.

Note: Expected to be given in 2008–09.

Sociology 128. Models of Social Science Research

Catalog Number: 5979

Mary C. Waters

Half course (fall term). M., W., (F.), at 11. EXAM GROUP: 4

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). Tu., Th., 10–11:30. EXAM GROUP: 12, 13

Examines the key role played by the education system in reproducing and transforming modern society. The course considers what purposes education serves; to what extent factors such as 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 and within schools.

[Sociology 143. Love & Intimacy]

Catalog Number: 0013

Neil Gross

Half course (spring term). Hours to be arranged.

Investigates transformations in family life, intimacy, and sexuality over the last half century. Special attention is given to social theorists who consider the relation between such changes and the nature of contemporary society.

Note: Expected to be given in 2008–09.

Sociology 153. Media and the American Mind

Catalog Number: 8867

Jason A. Kaufman

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 6

Explores American society through the lens of its various media, including but not restricted to television, theatre, literature, and music. Topics include class and cultural consumption, the business dynamics of the art world, the co-optation and subversion of dominant art forms, the impact of information networks on social structure and social development, and the power of advertising and mass media. Designed to be both fun and informative. Appropriate for sociology concentrators and non-concentrators alike.

Sociology 155. Class and Culture - (New Course)

Catalog Number: 8934

Timothy Nelson

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

***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.

Sociology 160. Medicine, Health Policy and Bioethics in Comparative and Global Perspective: Conference Course

Catalog Number: 3456 Enrollment: Limited to 18.

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 162. Medical Sociology]

Catalog Number: 5801

Mary-Jo Del Vecchio Good (Medical School)

Half course (fall 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 2008–09.

Sociology 165. Inequalities in Health Care

Catalog Number: 8272

Mary Ruggie (Kennedy School)

Half course (fall term). M., W., (F.), at 3. EXAM GROUP: 8

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.

***Sociology 167. Visualizing Rights and Social Change in Documentary Photography and Film - (New Course)**

Catalog Number: 6911 Enrollment: Limited to 20.

Tamara Kay

Half course (fall term). Th., 4–6. 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 - (New Course)

Catalog Number: 9922

Bruce Western

Half course (spring term). M., W., (F.), at 2. EXAM GROUP: 7

The U.S. 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.

Sociology 174. Contemporary Central Asian Societies - (New Course)

Catalog Number: 5060

Laura L. Adams

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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.

Sociology 176. Immigration and the Transformation of American Society

Catalog Number: 5953

Mary C. Waters

Half course (spring term). M., W., (F.), at 1. EXAM GROUP: 4

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.

Sociology 179. Crime, Justice, and the American Legal System

Catalog Number: 3962

Anthony A. Braga

Half course (fall term). M., W., at 12. EXAM GROUP: 5

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 184. Freedom in America: An Historical Sociology: Conference Course**

Catalog Number: 9740

Orlando Patterson



Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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.

[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 2008–09.

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). M., W., at 3. EXAM GROUP: 8

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.

***Sociology 191. The Politics of Law, Labor and Globalization in the Americas**

Catalog Number: 1423 Enrollment: Limited to 28.

Tamara Kay

Half course (spring term). Th., 4–6. EXAM GROUP: 18

Examines the history of U.S.-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.

***Sociology 193. Crime, Community, and Public Policy: Conference Course**

Catalog Number: 8651

Anthony A. Braga

Half course (fall term). M., 3–5. EXAM GROUP: 8, 9

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.

Sociology 194. Knowledge Production & Evaluation in the Social Sciences: Conference Course - (New Course)

Catalog Number: 6917

Michèle Lamont

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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.

Cross-listed Courses

African and African American Studies 197. Poverty, Race, and Health - (New Course)
History of Science 157. Sociological Topics in the History 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 2008–09. Primarily for graduate students in sociology.

Prerequisite: Sociology 203a.

Sociology 204. Sociological Theory: Seminar

Catalog Number: 6189

Michèle Lamont

Half course (fall term). M., 10–12. EXAM GROUP: 3, 4

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 206. The Sociology of Development: Seminar

Catalog Number: 9026

Martin K. Whyte

Half course (spring term). Tu., 1–3.

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.

***Sociology 208. Contemporary Theory and Research: Seminar**

Catalog Number: 6080

Mary C. Brinton

Half course (spring 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 first-year graduate students in Sociology.

***Sociology 209. Qualitative Social Analysis: Seminar**

Catalog Number: 1198

Orlando Patterson

Half course (fall term). M., 2–4. EXAM GROUP: 7, 8

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 Lieberson



Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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 2008–09.

***Sociology 221. Immigration, Identity and Assimilation: Seminar**

Catalog Number: 9699 Enrollment: Limited to 15.

Mary C. Waters

Half course (spring term). W., 1–3. EXAM GROUP: 6, 7

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.

Sociology 224. Organizational Analysis: Seminar

Catalog Number: 8202

Frank Dobbin

Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18

Reviews classical and contemporary theories of organizations, including ecological, institutional, resource dependence, transaction-cost, agency theory, learning theory, and organizational culture. 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). Th., 1–3. EXAM GROUP: 15, 16

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 2008–09.

Sociology 231. Neighborhood Effects and Community-Level Social Processes

Catalog Number: 6611

Robert J. Sampson

Half course (spring term). M., 4–6.

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.

[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 2008–09.

[Sociology 237. Contemporary Chinese Society: Seminar]

Catalog Number: 4320

Martin K. Whyte

Half course (spring term). Hours to be arranged.

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.

Note: Expected to be given in 2008–09.

Sociology 243. Economic Sociology

Catalog Number: 2022

Filiz Garip

Half course (spring term). M., 2–4. EXAM GROUP: 7, 8

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.

***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.

***Sociology 255. Social Stratification: Seminar**

Catalog Number: 3839

Jason Beckfield

Half course (fall term). Th., 3–5. EXAM GROUP: 17, 18

Examines theoretical and empirical approaches to understanding the sources, structure and consequences of persistent social inequalities.



***Sociology 260. The Sociology of Global Health - (New Course)**

Catalog Number: 6585

Mary-Jo Del Vecchio Good (Medical School)

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

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: Instructor's permission required.

[Sociology 263. Globalization and Comparative Inequality]

Catalog Number: 6503

Jason Beckfield

Half course (spring term). Hours to be arranged.

This seminar focuses on the intersection of globalization, in its diverse forms, and inequality, in comparative and cross-national perspective. We begin by reviewing the basic conceptualizations of globalization, including its economic, political, social, and cultural dimensions. After developing an understanding of the various forms and definitions of globalization, we then turn to consider how globalization can be connected to inequality. We conclude by exploring the implications of research on globalization and inequality for the normative debate that animates so much contemporary writing on globalization.

Note: Expected to be given in 2008–09.

[Sociology 266. Social Foundations of Justice]

Catalog Number: 1660

Christopher Winship

Half course (spring term). Hours to be arranged.

Why and how do people come to see a situation as just. This research seminar explores work in sociology, psychology, political science, and philosophy. The goal is for students to launch their own research project.

Note: Expected to be given in 2008–09.

[*Sociology 271. Sociology of Culture: Seminar]

Catalog Number: 5401

Jason A. Kaufman

Half course (spring term). Hours to be arranged.

Reviews contemporary themes and approaches in the sociology of culture. Topics will include media and mass society; class, culture, and power; the production of culture; neo-institutionalism; culture and cognition; macro-theories of social change; and methodology.

Note: Expected to be given in 2008–09.

***Sociology 275. Social Network Analysis: Seminar**

Catalog Number: 6899

Peter V. Marsden

Half course (fall term). Tu., 1–3. EXAM GROUP: 15, 16

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 and Social Policy I**

Catalog Number: 6231 Enrollment: Limited to 18.

Bruce Western

Half course (fall term). W., 2–4. EXAM GROUP: 7, 8

Deals with the causes of economic inequality, including demand for various kinds of skills, the supply of such skills, cultural differences, political attitudes, political institutions, and living arrangements.

Note: Offered jointly with the Kennedy School as HLE-511. Meets at the Kennedy School.

Cross-listed Courses

African and African American Studies 211. Social Structure and Culture in the Study of Race - (New Course)

***Government 2340. Proseminar on Inequality and Social Policy II**

[*Psychology 2630. Social Behavior in Organizations: Seminar]

Graduate Courses of Reading and Research

***Sociology 300hf (formerly *Sociology 300). Race, Identity and Inequality**

Catalog Number: 6654

Orlando Patterson 1091

Half course (throughout the year). 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.

***Sociology 301. Special Reading and Research**

Catalog Number: 4017

David L. Ager 5142, Jason Beckfield 5612, Mary C. Brinton 4567, Nicholas A. Christakis (Medical School) 4459, Frank Dobbin 4622, Kathryn Edin (Kennedy School) 5952, Filiz Garip 5887, Mary-Jo Del Vecchio Good (Medical School) 7721, Neil Gross 4975 (on leave fall term), Christopher Jencks (Kennedy School) 2160, Jason A. Kaufman 2147, Tamara Kay 5611, Michèle Lamont 4634, Stanley Lieberman 1937, Peter V. Marsden 1797, Orlando Patterson 1091, Robert J. Sampson 4546, Theda Skocpol 1387 (on leave spring term), Jocelyn Viterna 5860, Mary C. Waters 1498, Bruce Western 5763, Martin K. Whyte 3737, William Julius Wilson 2401, and Christopher Winship 3189

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

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., 5–7 p.m.

Note: Required of and limited to graduate students in Sociology. Attendance at first meeting is required.

***Sociology 306r. Colloquium in Sociology**

Catalog Number: 4818

Peter V. Marsden (fall term) and Tamara Kay (spring term)

Half course (fall term; repeated spring term). M., 12–2.

Provides a 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. Workshop 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) or by permission of instructor.

***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

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.

***Sociology 310 (formerly Sociology 201). Sociological Research Design**

Catalog Number: 0085

Frank Dobbin 4622

Full course. W., 12–2.

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.

[*Sociology 311. Family and Childhood Research Workshop]

Catalog Number: 1062

Martin K. Whyte 3737

Half course (fall term; repeated spring term). Spring: Th., 12–2.

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 2008–09.

***Sociology 390. Health and Social Structure - (New Course)**

Catalog Number: 6282

Nicholas A. Christakis (Medical School) 4459

Full course (indivisible). 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.

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

Faculty of the Committee on South Asian Studies

Sugata Bose, Gardiner Professor of Oceanic History and Affairs (*Chair*)
Ali S. Asani, Professor of the Practice of Indo-Muslim Languages and Cultures
Homi K. Bhabha, Anne F. Rothenberg Professor of the Humanities
Diana L. Eck, Fredric Wertham Professor of Law and Psychiatry in Society
Rena Fonseca, Lecturer on History and Literature
William A. Graham, Jr., Murray A. Albertson Professor of Middle Eastern Studies (FAS), John Lord O'Brian Professor of Divinity, Dean of the Faculty of Divinity (*Divinity School*)
Engseng Ho, Professor of Anthropology (*on leave spring term*)
Smita Lahiri, Associate Professor of Anthropology (*on leave 2007-08*)
Roderick MacFarquhar, Leroy B. Williams Professor of History and Political Science (*on leave fall term*)
Parimal G. Patil, John L. Loeb Associate Professor of the Humanities
Peter P. Rogers, Gordon McKay Professor of Environmental Engineering
Amartya Sen, Lamont University Professor
Ajantha Subramanian, Assistant Professor of Anthropology and of Social Studies, Associate Professor of Anthropology and of Social Studies
Leonard W. J. van der Kuijp, Professor of Tibetan and Himalayan Studies (*on leave fall term*)
Michael Witzel, Wales Professor of Sanskrit
Richard K. Wolf, Professor of Music

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, 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 Asia Center, it sponsors lectures, seminars, conferences, films and exhibitions on South Asia. There are currently three FAS seminar series wholly focused on South Asia: South Asia without Borders, the South Asia Politics Seminar and the South Asia Humanities 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 Asia Center 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 12. Sources of Indian Civilization]

[Foreign Cultures 70. Understanding Islam and Contemporary Muslim Societies]

[Historical Study A-16. Modern South Asian Global History](#)

[Literature and Arts C-18. Hindu Myth, Image, and Pilgrimage](#)

Freshman Seminars of Interest

[*Freshman Seminar 44p. Contemporary India: Fact and Fiction](#)

Courses of Interest

[*Anthropology 1020. Archaeology, Politics and Society in South Asia: Seminar]

[Anthropology 1120. Comparative Analysis of Ancient Civilizations](#)

[Anthropology 1630 (formerly Anthropology 132). Anthropology of Religion]

[Anthropology 1690 (formerly Anthropology 178). Consuming Passions: Cultures of Materialism in Asia]

[Anthropology 2780. Culture and Citizenship]

[*Anthropology 2810r. Research Seminar on the Middle East and Islamic Frontiers](#)

[Anthropology 2830 \(formerly Anthropology 223\). Mobility](#)

[*Anthropology 3100 \(formerly *Anthropology 3023\). Old World Archaeology \(Europe, Asia, and Africa\)](#)

[*Anthropology 3111 \(formerly *Anthropology 3024\). Asiatic Archaeology and Ethnography](#)

[Economics 2057. Rational Choice]

[Economics 2335. The Industrial Sector in Developing Countries]

[Economics 2390b. Development Economics I: Microeconomic Issues](#)

[Economics 2390d. The Economic Growth and Development Workshop](#)

[English 166x. The Postcolonial Classic](#)

[*Government 90gs. Civil Society in Asia](#)

[*History 1895. The Indian Ocean in Comparative Perspective: Research Seminar](#)

[\[*History 1958. Islam and Ethnicity: Research Seminar\]](#)



[*History of Art and Architecture 123y. Monuments of Medieval Islamic Architecture (7th–13th Century)]

[Indian Studies 118. Indian Philosophy: Advanced Introduction]

[Indian Studies 121. Hindutva: Sources, Methods, Implications for Research and Teaching]

[Indian Studies 203. Select Topics: Survey of Middle Indic Languages and Literatures]

[Indian Studies 206. Old Indian and Eurasian Creation Myths: Seminar]

[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 190rs. 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 1061. Reading Hindu Texts Interreligiously I: The Upanisads and Advaita: Seminar]

[Religion 1063. South Asian Religious Aesthetics: Seminar](#)

[Religion 1600. Introduction to Hinduism]

[Religion 1627. Hindu Ethics: Seminar](#)

[Religion 1631. Hindu Traditions of Devotion]

[Religion 1645. Sacred Space and Pilgrimage in India: Seminar]

[Religion 1650. Modern Hindu Movements: Seminar]

[*Religion 1820 \(formerly *Religion 1585\). Islam in South Asia: Religion, Culture, and Identity in South Asian Muslim Societies](#)

[Sanskrit 101a. Elementary Sanskrit](#)

[Sanskrit 101b. Elementary Sanskrit](#)

[Sanskrit 102a. Intermediate Sanskrit I](#)

[Sanskrit 102b. Intermediate Sanskrit II](#)

[Sanskrit 200ar. Advanced Poetic Sanskrit]

[Sanskrit 201ar. Advanced Philosophical Sanskrit](#)

[Sanskrit 201br. Advanced Philosophical Sanskrit](#)

[Sanskrit 204ar. Introduction to Vedic Sanskrit and Literature]

[Sanskrit 204br. Introduction to Vedic Sanskrit and Literature]

[Sanskrit 212br. Advanced Literary Sanskrit]

[Sanskrit 214. Ritual Sutras](#)



***Sanskrit 301. Reading and Research**

[Studies of Women, Gender, and Sexuality 1210ft (formerly Studies of Women, Gender, and Sexuality 1001). 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](#)

[Urdu 106r. Advanced Oral Proficiency in Urdu-Hindi](#)

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*)

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 (*on leave fall term*)

Deborah D. Foster, Senior Lecturer on Folklore and Mythology (*Director of Undergraduate Studies*)

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, George Putnam Professor of Organismic and Evolutionary Biology

Jason A. Kaufman, John L. Loeb Associate Professor of Social Sciences

Karel F. Liem, Henry Bryant Bigelow Professor of Ichthyology; Curator of Ichthyology

Elizabeth D. Lyman, Assistant Professor of English

Stephen A. Marglin, Walter S. Barker Professor of Economics

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*on leave spring term*)

Sandra Naddaff, Senior Lecturer on Literature and Comparative Literature

Peter P. Rogers, Gordon McKay Professor of Environmental Engineering

Daniel M. Wegner, Professor of Psychology (*on leave spring term*)

Christopher Winship, Diker-Tishman Professor of Sociology

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*)
 Jose Blanchet, Visiting Assistant Professor of Statistics (*Columbia University*)
 Joseph K. Blitzstein, Assistant Professor of Statistics
 Tirthankar Dasgupta, Assistant Professor of Statistics
 Yingying Fan, Lecturer on Statistics
 Mark E. Glickman, Visiting Associate Professor of Statistics (*Boston University*)
 Rima Izem, Assistant Professor of Statistics (*Co-Head Tutor*)
 S.C. Samuel Kou, John L. Loeb Associate Professor of the Natural Sciences (*Director of Graduate Studies, spring term*) (*on leave fall term*)
 Yoonjung Lee, Assistant Professor of Statistics
 Jun S. Liu, Professor of Statistics (*on leave spring term*)
 Carl N. Morris, Professor of Statistics (*Director of Graduate Studies*)
 Donald B. Rubin, John L. Loeb Professor of Statistics
 Kenneth E. Stanley, Lecturer on Statistics (*FAS*) and Lecturer on Biostatistics (*Public Health*)

Other Faculty Offering Instruction in the Department of Statistics

Arthur P. Dempster, Research Professor of Theoretical Statistics
 David P. Harrington, Professor of Biostatistics (*Public Health*) (*Co-Head Tutor*)
 Guido W. Imbens, Professor of Economics
 Xiaole Shirley Liu, Assistant Professor of Biostatistics (*Public Health*)
 Bernard Rosner, Professor of Medicine (*Medical School, Public Health*)
 Patrick J. Wolfe, Assistant Professor of Electrical Engineering on the Gordon McKay Endowment
 Alan M. Zaslavsky, Professor of Health Care Policy (*Medical School*)

The Statistics Department offers four courses at the introductory level (below Statistics 110). Statistics 100 and 101 are essentially equivalent in terms of their quantitative requirements, but differ in the amount of emphasis placed on different techniques and applications. Statistics 100 emphasizes regression, including multiple regression, which is essential in economics and related fields. Statistics 101 emphasizes analysis of variance, which is widely used in experimentally-oriented subjects such as psychology and biology. Statistics 104 combines the content of Statistics 100 and 101, moving somewhat faster than these courses, and assumes a stronger quantitative orientation. Statistics 102 is comparable to Statistics 104 in its technical level, but is specifically geared toward biomedical applications and techniques.

Generally, Statistics 104 and 101 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 which courses satisfy your concentration requirements, and for guidance on selecting a course. 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

Rima Izem, David P. Harrington, and members of the Department
Half course (fall term; repeated spring term). Hours to be arranged.

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 with Co-Head Tutors.

***Statistics 99hf. Tutorial — Senior Year**

Catalog Number: 4381

Rima Izem, David P. Harrington, and members of the Department
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 with Co-Head Tutors.

For Undergraduates and Graduates

Statistics 100. Introduction to Quantitative Methods for the Social Sciences and Humanities

Catalog Number: 3808

Mark E. Glickman (Boston University) (fall term) and David P. Harrington (Public Health)
Half course (fall term; repeated spring term). Fall: Section I: M., W., F., at 10; and a section to be arranged.; Spring: Section I: M., W., F., at 11; and a section 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. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 101. Introduction to Quantitative Methods for Psychology and the Behavioral Sciences.

Catalog Number: 5128

Karen Gold

Half course (spring term). M., W., F., at 3. EXAM GROUP: 8

Similar to Stat 100, but emphasizes concepts and practice of statistics used in psychology and



other behavioral sciences. Topics covered: measures of central tendency and variability; development of scales used in behavioral sciences; probability; correlation and regression; estimation and hypothesis testing; analysis of variance; and chi-square tests for cross-classified data. Emphasis on translation of research questions into statistically testable hypotheses and interpretation of results in context of original research questions.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 102. Fundamentals of Biostatistics

Catalog Number: 0266

Bernard Rosner (Medical School, Public Health)

Half course (fall term). M., W., F., at 11, and a section to be arranged. EXAM GROUP: 4

An introduction to statistical methods used in biological and medical research. Elementary probability theory, basic concepts of statistical inference, sampling theory, regression and correlation methods, analysis of variance, and study design. Emphasis on applications to medical problems.

Note: Primarily for undergraduates with medical or biological interests. When taken for a letter grade, this course meets 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). Fall: M., W., F., at 11; Spring: M., W., F., at 11, and a section to be arranged. EXAM GROUP: 4

Similar to Stat 100, but emphasizes applications in fields including, but not limited to, economics, health sciences and policy. 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 Stat 100 and 101.

Note: Only one of the following courses may be taken for credit: Statistics 100, 101, 104. When taken for a letter grade, this course meets the Core area requirement for Quantitative Reasoning.

Statistics 105. Real-Life Statistics: Your Chance for Happiness (or Misery) - (New Course)

Catalog Number: 8782

Xiao-Li Meng

Half course (spring term). M., W., 12–1:30. EXAM GROUP: 5, 6

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 could be their last 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.

Prerequisite: Stat 100 or equivalent or another course in statistics with consent of the instructor.

Statistics 110. Introduction to Probability

Catalog Number: 0147



Joseph K. Blitzstein

Half course (fall term). M., W., F., at 12, and a 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, bounds, Normal, t, Binomial, Negative Binomial, Poisson, 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

Yingying Fan

Half course (spring term). M., W., F., at 12, and a section to be arranged. EXAM GROUP: 5

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: Statistics 110 and Mathematics 19a and 19b (may be taken concurrently) or equivalent.

Statistics 115. Introduction to Computational Biology and Bioinformatics

Catalog Number: 9776

Xiaole Shirley Liu (Public Health)

Half course (spring term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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 120. Intermediate Biostatistical Methods - (New Course)

Catalog Number: 7200

Bernard Rosner (Medical School, Public Health)

Half course (spring term). M., W., F., at 11, and a section to be arranged. EXAM GROUP: 4

A survey of multivariable methods used in medical and biological research. A review of univariate inference, multiple regression, analysis of variance, nonparametric methods, logistic regression, elements of study design, survival analysis, and selected special topics in biostatistics. Emphasis on application to medical problems.

Note: Primarily for undergraduates with medical or biological interests.

Prerequisite: Either Statistics 100, 102, 104, or Statistics 110, 111.



Statistics 131. Time Series Analysis and Forecasting

Catalog Number: 8291

Yingying Fan

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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, time domain regression approach including Box-Jenkins method and spectral analysis.

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 programming new methods.

Prerequisite: Statistics 100 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 section to be arranged.

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, including 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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

Statistical designs for estimation of treatment effects in randomized experiments. Topics include analysis of variance, randomized block and Latin square designs, balanced incomplete block designs, factorial designs, nested factorial designs, confounding in blocks, fractional replications, orthogonal arrays, response surface designs, applications in engineering, biological, and social and management sciences.

Prerequisite: Statistics 100 or equivalent and Mathematics 19a and 19b.

Statistics 149. Statistical Sleuthing through Generalized Linear Models

Catalog Number: 6617

Rima Izem

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8



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 155. Spatial Statistics for Social Inquiry and Health Research]

Catalog Number: 1993

Rima Izem, Christopher J. Paciorek (Public Health), and Louise M. Ryan (Public Health)
Half course (spring term). Hours to be arranged.

Introduction to spatial statistics as applied to social science and public health. Emphasizes analysis and visualization methods for areal data, geostatistical data, and point processes. Practical focus on case studies, guest lectures and student projects.

Note: Expected to be omitted in 2007–08. Expected to be given in 2008–09. Basic GIS skills will be covered in a short module. May not be taken for credit if Biostatistics 283 has already been taken. May not be taken concurrently with Biostatistics 283. Offered jointly with the School of Public Health as BIO 283.

Prerequisite: Coursework or equivalent experience in regression at the level of Statistics 139 or 149, Economics 1123, Psychology 1951, Biostatistics 210, 211, or 213, and coursework or equivalent experience in statistical programming such as Statistics 135 or Biostatistics 503 or permission of instructors. Prerequisites are guidelines and students are encouraged to consult the instructors.

Statistics 160. Design and Analysis of Sample Surveys

Catalog Number: 2993

Alan M. Zaslavsky (Medical School)

Half course (fall term). M., W., 2:30–4. EXAM GROUP: 7, 8

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. 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

S.C. Samuel Kou

Half course (spring term). Tu., Th., 11:30–1, and a 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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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). Tu., Th., 1–2:30. EXAM GROUP: 15, 16

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 - (New Course)

Catalog Number: 7864

Jose Blanchet (Columbia University)

Half course (fall term). F., 2–5. EXAM GROUP: 7, 8, 9

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, and Finance and Biology.

[Statistics 214. Causal Inference in Statistics and the Social and Biomedical Sciences]

Catalog Number: 4042

Guido W. Imbens and Donald B. Rubin

Half course (spring term). Hours to be arranged.

Approaches to causal inference. Covers randomized experiments with and without noncompliance, observational studies with and without ignorable treatment assignment,



instrumental variables and sensitivity analysis. A number of applications from economics, medicine, education, etc. are discussed.

Note: Expected to be given in 2008–09.

[Statistics 215. Fundamentals of Computational Biology]

Catalog Number: 3304

Jun S. Liu

Half course (spring term). Hours to be arranged.

Developments in bioinformatics/computational biology: The basics of statistical estimation, BLAST methods and theory, cDNA sequence analysis, clustering and classification methods, data resources, hidden Markov models, Gibbs sampler, microarray analysis, gene regulatory motif discoveries, phylogenetic inference, protein structures, and comparative genomics.

Note: Expected to be given in 2008–09.

Statistics 218. Random Fields and Geometry - (New Course)

Catalog Number: 6113

Robert Adler

Half course (spring term). W., F., 1–2:30. EXAM GROUP: 6, 7

There are three parts to the course: (i) General theory of random (mainly Gaussian) processes and fields; (ii) Geometric problems generated by random fields using techniques developed over the past five years; and (iii) Applications of the new theory.

Statistics 220. Bayesian Data Analysis

Catalog Number: 6270

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 conclusions to changes in models.

Note: Emphasis throughout term on drawing inferences via computer simulation rather than mathematical analysis.

Prerequisite: Statistics 110 and 111.

Statistics 221. Applied Bayesian Statistical Computing

Catalog Number: 5959

Andrew Gelman

Half course (spring term). M., 11:30–2:30. EXAM GROUP: 4, 5

Computing methods commonly used in statistics: Generation of random numbers, Monte Carlo methods, optimization methods, numerical integration and advanced Bayesian computational tools such as the Gibbs sampler, Metropolis Hastings, method of auxiliary variables, marginal and conditional data augmentation, slice sampling, exact sampling and reversible jump MCMC.

Note: Computer programming exercises apply the methods discussed in class.

Prerequisite: Linear algebra, Statistics 111, and knowledge of a computer programming language. Statistics 220 is recommended.



Statistics 225. Spatial Statistics

Catalog Number: 6499

Rima Izem

Half course (fall term). M., W., 1–2:30. EXAM GROUP: 6, 7

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.

[Statistics 230. Multivariate Statistical Analysis]

Catalog Number: 5206

Joseph K. Blitzstein and Carl N. Morris

Half course (spring term). Hours to be arranged.

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 omitted in 2007–08. Expected to be given in 2008–09.

Prerequisite: Statistics 211 or equivalent.

Statistics 231. Time Series Analysis and Forecasting

Catalog Number: 7537

Yingying Fan

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

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. Incomplete Multivariate Data]

Catalog Number: 4196

Half course (spring term). Hours to be arranged.

Methods for handling incomplete data sets with general patterns of missing data, emphasizing the likelihood-based and Bayesian approaches. Focus on the application and theory of iterative maximization methods, iterative simulation methods, and multiple imputation.

Note: Expected to be given in 2008–09.

Prerequisite: Comparable courses in probability (Statistics 110), theoretical statistics (Statistics 111), and knowledge of regression and linear algebra (Statistics 139).

Statistics 233. Matched Sampling - (New Course)

Catalog Number: 4036

Donald B. Rubin

Half course (fall term). Tu., Th., 11:30–1. EXAM GROUP: 13, 14

This course provides an accessible introduction to the study of matched sampling in economics, education, epidemiology, medicine, political science, psychology, sociology, statistics, or any field conducting empirical research to evaluate the causal effects of interventions.



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 245. Statistics and Litigation

Catalog Number: 3488

Daniel James Greiner (Law School)

Half course (spring term). Tu., Th., 5–6:30. EXAM GROUP: 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

Rima Izem

Half course (spring term). M., W., 2:30–4. EXAM GROUP: 7, 8

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 permission of the instructor.

[Statistics 251. Signal and Image Processing and Inference Using Wavelets]

Catalog Number: 3506

Half course (fall term). Hours to be arranged.

Meets with Engineering Sciences 251, but with added emphasis on statistical modeling and inference. Theory of time-frequency/time-scale methods, methodologies for and motivated by statistical inference and missing-data problems, associated computational algorithms, and fundamental engineering applications.

Note: Expected to be given in 2008–09.

Prerequisite: Engineering Sciences 156 or equivalent, knowledge of probability theory and/or statistics at the level of Statistics 110/111 or above, and programming experience, 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. 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 271. Advanced Stochastic Processes]

Catalog Number: 0875

Half course (fall term). Hours to be arranged.

Theory of regenerative processes, Markov processes in general state spaces, rates of convergence to stationarity, CLTs, coupling and exact-simulation using regeneration. Martingales, rare-event analysis via large deviations techniques, diffusion and jump-diffusion processes, functional central limit theorems, and stochastic calculus.

Note: Expected to be given in 2008–09.

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 - \(New Course\)](#)

[*Government 3009. Research Workshop in Applied Statistics](#)

Graduate Courses of Reading and Research

***Statistics 301. Special Reading and Research**

Catalog Number: 4474

Jose Blanchet (Columbia University) 5017, Joseph K. Blitzstein 5588, Tirthankar Dasgupta 5765, Arthur P. Dempster 2345, Yingying Fan 5805 (fall term only), Rima Izem 4944, S.C. Samuel Kou 4054 (on leave fall term), Yoonjung Lee 5300, Jun S. Liu 3760 (on leave spring term), Xiao-Li Meng 4023, Carl N. Morris 2178, Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966, Patrick J. Wolfe 5144 (fall term only), 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

Jose Blanchet 5017, Joseph K. Blitzstein 5588, Tirthankar Dasgupta 5765, Arthur P. Dempster 2345, Rima Izem 4944, S.C. Samuel Kou 4054 (on leave fall term), Yoonjung Lee 5300, Jun S. Liu 3760 (on leave spring term), Xiao-Li Meng 4023, Carl N. Morris 2178, Bernard Rosner (Medical School, Public Health) 4018, Donald B. Rubin 7966, Patrick J. Wolfe 5144 (fall term only), 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 and Joseph K. Blitzstein 5588

Half course (throughout the year). M., 10–12.

Required of all first-year doctoral students in Statistics.



***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 (on leave spring term) and Jose Blanchet (Columbia University) 5017

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

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.

[*Statistics 323. Computational and Statistical Methods in Finance]

Catalog Number: 4328

Jose Blanchet (Columbia University) 5017

Half course (spring term). Hours to be arranged.

Briefly reviews basic concepts and models in multi-period asset pricing theory. Emphasis on parameter estimation and calibration, as well as computational and statistical issues arising in pricing, hedging, credit risk, and insurance risk modeling.

Note: Expected to be given in 2008–09.

Prerequisite: Statistics 111 and 171 or equivalent (exposure to time series analysis at the level of Statistics 131 is useful, but not required).

***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 325. Functional Data Analysis**

Catalog Number: 7747

Rima Izem

Half course (fall term). W., 2:30–4.

Statistical methods for exploration and analysis of Functional Data (sets of curves, images, or shapes) with applications in biology.

***Statistics 335. High-Dimensional Statistics - (New Course)**

Catalog Number: 3319



Yingying Fan 5805

Half course (spring term). Hours to be arranged.

[*Statistics 340. Random Graph 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, includes fixed degree, power law, small world, and geometric random graphs.

Note: Expected to be given in 2008–09.

***Statistics 370. Topics in Empirical Finance**

Catalog Number: 3593

Yoonjung Lee 5300

Half course (fall term). Hours to be arranged.

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 371. Advanced Applied Probability]

Catalog Number: 3595

Jose Blanchet (Columbia University) 5017

Half course (spring term). Hours to be arranged.

The study of limit theorems and efficient computational algorithms for the performance analysis and/or control of complex stochastic systems.

Note: Expected to be given in 2008–09.

***Statistics 399hf. Problem Solving in Statistics - (New Course)**

Catalog Number: 1035

Carl N. Morris and members of the Department

Half course (throughout the year). Fall: W., 4:30–6 (bi-weekly).

Aimed principally at helping PhD students beyond their first year transition through the qualifying exams into research.

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*)
 Michael P. Brenner, Glover Professor of Applied Mathematics and Applied Physics, Tutor in Biochemical Sciences (*on leave spring term*)
 Martha L. Bulyk, Associate Professor of Medicine and Health Sciences and Technology and of Pathology (*Medical School*)
 Lewis C. Cantley, William Bosworth Castle Professor of Medicine and Professor of Systems Biology (*Medical School*)
 George M. Church, Professor of Genetics (*Medical School*)
 Catherine Dulac, Higgins Professor of Molecular and Cellular Biology
 Walter Fontana, Professor of Systems Biology (*Medical School*)
 Melissa Franklin, Mallinckrodt Professor of Physics
 Jeremy M. Gunawardena, Senior Lecturer on Systems Biology (*Medical School*)
 Marc W. Kirschner, Carl W. Walter Professor of Systems Biology (*Medical School*)
 Roy Kishony, Associate Professor of Systems Biology (*Medical School*)
 Galit Lahav, Assistant Professor of Systems Biology (*Medical School*)
 Eric S. Lander, Professor of Systems Biology (*Medical School*)
 Richard M. Losick, Maria Moors Cabot Professor of Biology
 Gavin MacBeath, Associate Professor of Chemistry and Chemical Biology
 L. Mahadevan, Lola England Professor of Applied Mathematics
 Christopher Marx, Assistant Professor of Organismic and Evolutionary Biology
 Timothy J. Mitchison, Hasib Sabbagh Professor of Systems Biology (*Medical School*)
 Vamsi K. Mootha, Assistant Professor of Systems Biology and Assistant Professor of Medicine (*Medical School*)
 Andrew W. Murray, Herchel Smith Professor of Molecular Genetics
 Radhika Nagpal, Assistant Professor of Computer Science on the Gordon McKay Endowment
 Martin A. Nowak, Professor of Mathematics and of Biology (*on leave fall term*)
 Erin K. O'Shea, Professor of Molecular and Cellular Biology and of Chemistry and Chemical Biology
 Kevin K. Parker, Assistant Professor of Biomedical Engineering on the Gordon McKay Endowment
 Johan M. Paulsson, Assistant Professor of Systems Biology (*Medical School*)
 Tom Rapoport, Professor of Cell Biology (*Medical School*)
 Aviv Regev, Assistant Professor of Biology (*Broad Institute, MIT*)
 Frederick P. Roth, Associate Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Alan Saghatelian, Assistant Professor of Chemistry and Chemical Biology
 Alexander F. Schier, Professor of Molecular and Cellular Biology
 Brian Seed, Professor of Genetics and Professor of Health Sciences and Technology (*Medical School*)
 Jagesh V. Shah, Assistant Professor of Systems Biology, of Medicine, and of Health Sciences and Technology (*Medical School*)
 William Shih, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)
 Peter K. Sorger, Professor of Systems Biology (*Medical School*)
 Antoine van Oijen, Assistant Professor of Biological Chemistry and Molecular Pharmacology (*Medical School*)



David A. Weitz, Mallinckrodt Professor of Physics and of Applied Physics
Xiaoliang Sunney Xie, Professor of Chemistry and Chemical Biology (*on leave 2007-08*)
Xiaowei Zhuang, Professor of Chemistry and Chemical Biology and of Physics

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](#)
[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 106. Ordinary Differential Equations](#)
[Mathematics 153. Mathematical Biology-Evolutionary Dynamics]
[MCB 111 \(formerly MCB 211\). Mathematics in Biology](#)
[*MCB 155. Molecular Mechanisms of Gene Control](#)
[MCB 173. Optical Imaging in the Biological Sciences]
[OEB 181. Systematics]
[OEB 192. Microbial Evolution](#)
[Physics 140. Introduction to Biophysics](#)
[Physics 181. Statistical Mechanics and Thermodynamics](#)

Primarily for Graduates

[Systems Biology 200 \(formerly Systems Biology 101\). 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. Seminar in Systems Biology](#)

Catalog Number: 5148



Timothy J. Mitchison (Medical School), Galit Lahav (Medical School), and Peter K. Sorger (Medical School)

Half course (spring term). Tu., Th., 10:30–12. EXAM GROUP: 12, 13

This course will examine concepts and methods in systems biology. We will follow the development of the field and the current thinking through paper reading, discussion and lecture.

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](#)

[\[Biostatistics 280. Introduction to Computational Molecular Biology\]](#)

[Cell Biology 201. Molecular Biology of the Cell](#)

[Chemical Biology 2100 \(formerly Biophysics 201\). Organic Chemistry for Biologists](#)

[\[*Engineering Sciences 222. Advanced Cellular Engineering\]](#)

[Genetics 201. Principles of Genetics](#)

[Mathematics 243 \(formerly Mathematics 234\). Evolutionary Dynamics](#)

[\[MCB 212. Topics in Biophysics\]](#)

[Microbiology 200. Molecular Microbiology and Pathogenesis](#)

[\[OEB 279. Topics in Microbial Metabolic Systems\]](#)

[\[Statistics 215. Fundamentals of Computational Biology\]](#)

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

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 2008–09.

***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*) (*on leave 2007-08*)

Patricia R. Chaput, Professor of the Practice of Slavic Languages

Timothy J. Colton, Morris and Anna Feldberg Professor of Government and Russian Studies

Grzegorz Ekiert, Professor of Government

George G. Grabowicz, Dmytro Cyzevs'kyj Professor of Ukrainian Literature (*on leave spring term*)

Terry D. Martin, George F. Baker III Professor of Russian Studies (*on leave 2007-08*)

Other Faculty Offering Instruction in Ukrainian 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

History 1514. Early Modern Eastern Europe (1450-1795) - (New Course)

***History 1529. East European Identities: Russia and Ukraine: Reading Seminar - (New Course)**

[Linguistics 250. Old Church Slavonic]

Slavic Ga. Beginning Ukrainian I

Slavic Gb. Beginning Ukrainian II

***Slavic Gr. Supervised Readings in Intermediate/Advanced Ukrainian**

[Slavic 125. Modern Russian in Historical Perspective]

[Slavic 165. Survey of 19th-Century Ukrainian Literature]

[Slavic 169. 20th-Century Ukraine: Literature, Arts, and Society]

[Slavic 201. Introduction to East Slavic Languages]

[Slavic 223. 19th-Century Ukrainian Poetry]

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*) (*on leave spring term*)

D. N. Rodowick, Professor of Visual and Environmental Studies (*Acting Chair, spring term*) (*Director of Graduate Studies for Film and Visual Studies*)

Drew Beattie, Lecturer on Visual and Environmental Studies

Dominique Bluher, 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

J. D. Connor, Assistant Professor of Visual and Environmental Studies and of English (*Director of Undergraduate Studies for Film Studies, Acting Director of Undergraduate Studies, spring term*)

Miles Coolidge, Visiting Associate Professor of Visual and Environmental Studies (*University of California, Irvine*) (*spring term only*)

Lee Grieveson, Visiting Associate Professor of Visual and Environmental Studies, Associate of the Department of Visual and Environmental Studies (*University College London*) (*fall term only*)

Alfred F. Guzzetti, Osgood Hooker Professor of Visual Arts

Sharon C. Harper, Assistant Professor of Visual and Environmental Studies (*on leave fall term*)

Andreas Hykade, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Lodge Kerrigan, Visiting Lecturer on Visual and Environmental Studies

Chris Killip, Professor of Visual and Environmental Studies (*on leave spring term*)

Damon Krukowski, Lecturer on Visual and Environmental Studies

Carrie Lambert-Beatty, Assistant Professor of History of Art and Architecture and of Visual and Environmental Studies (*on leave spring term*)

Annette Lemieux, Professor of the Practice of Studio Arts

Ruth S. Lingford, Professor of the Practice of Animation

Scott MacDonald, Visiting Professor of Visual and Environmental Studies (*Hamilton College*) (*spring term only*)

Julie M. Mallozzi, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Ross McElwee, Professor of the Practice of Filmmaking

Helen Mirra, Assistant Professor of Visual and Environmental Studies (*on leave 2008-09*)

Nancy Mitchnick, Rudolf Arnheim Lecturer on Studio Arts

Dean Moss, Visiting Lecturer on Visual and Environmental Studies (*spring term only*)

Robb Moss, Rudolf Arnheim Lecturer on Filmmaking (*Director of Undergraduate Studies*) (*on leave spring term*)

Stephen Prina, Professor of Visual and Environmental Studies

Simon Pummell, Visiting Lecturer on Visual and Environmental Studies (*fall term only*)

Amie Siegel, Assistant Professor of Visual and Environmental Studies (*on leave fall term*)

Alexander Slade, Visiting Lecturer on Visual and Environmental Studies, Associate of the Department of Visual and Environmental Studies (*spring term only*)

John R. Stilgoe, Robert and Lois Orchard Professor in the History of Landscape Development

Michele A. Zalopany, Visiting Lecturer on Visual and Environmental Studies



Other Faculty Offering Instruction in the Department of Visual and Environmental Studies

Tom Conley, Abbott Lawrence Lowell Professor of Romance Languages and Literatures and of Visual and Environmental Studies (*on leave 2007-08*)

Eric Rentschler, Arthur Kingsley Porter Professor of Germanic Languages and Literatures

Yuri Tsivian, Visiting Professor of Slavic Languages and Literatures (*University of Chicago*) (*spring term only*)

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 introductory course in Film Studies, *Literature and Arts B-11, The Art of Film*, can be found in the Literature and Arts B section in the *Courses of Instruction*. 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.

Michele A. Zalopany

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: No previous studio experience necessary.

***Visual and Environmental Studies 10x. Drawing Mind and Matter: Studio Course - (New Course)**

Catalog Number: 6006 Enrollment: Limited to 12.

Drew Beattie

Half course (spring term). W., 1–4 and 6–8 pm.

An introduction to fundamental principles in drawing through manual making. A range of subjects, materials and methods will be explored through a mixture of observation, direction and invention. A sequence of individually adapted assignments will conclude with a book project transforming a verbal entity into a visual one. The inseparability of form and content in visual art will be looked at in the drawings produced, and in the contemporary and historical drawings shown in class.

Note: 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). Tu., Th., 9–12.

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 20. Painting from Observation: Studio Course**

Catalog Number: 3732 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). Tu., 1–6.

An introduction to painting using oil paint and observed still life / interior architecture as a way of digging in. Students learn how to prepare canvases, handle paint and mix color. The representation of volume, space, light and atmosphere in paint will be presented as a foundation for future use or subversion. Students paint during and outside of class, progressing toward increasingly individual projects. Critiques, readings and museum visits will be integral to the course.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 23. Watercolor Painting: Studio Course - (New Course)**

Catalog Number: 7975 Enrollment: Limited to 12.

Michele A. Zalopany

Half course (spring term). M., 1–5, M., 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.

Note: No previous studio experience necessary.

***Visual and Environmental Studies 25. Non-observational Painting: Studio Course**

Catalog Number: 1717 Enrollment: Limited to 12.

Drew Beattie

Half course (spring term). Tu., 1–6.

A painting course in which paired concepts such as paintless and painted, singular and plural, observed and invented, expressive and removed generate visual investigations into differing unions of form and content in painting. Technical issues in preparing supports, handling paint and mixing color, using both oil and acrylic, will be covered. Emphasis will be on the transformation of ideas into visual embodiment in paint. Critiques, readings and museum visits are integral to the course.

Note: No previous studio experience necessary. First meeting for this course will take place on Thursday, January 31 at 1pm.

***Visual and Environmental Studies 32. Reconstruction: Studio Course**

Catalog Number: 1790 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). M., W., 1–4.

A studio course, for making things out of other things, attending to the realms of demolition, waste, surplus, and detritus.

Note: Expected to be omitted in 2008–09. No previous studio experience necessary.

***Visual and Environmental Studies 37 (formerly *137). 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 40a. Introduction to Still Photography: Studio Course**

Catalog Number: 2010 Enrollment: Limited to 10.

Chris Killip (fall term) and Miles Coolidge (University of California, Irvine) (spring term)

Half course (fall term; repeated spring term). M., W., 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 40b. Intermediate Photography: Studio Course**

Catalog Number: 6256 Enrollment: Limited to 10.

Chris Killip

Half course (fall term). M., W., 9–12.

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 (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: Expected to be given in 2008–09. No previous studio experience necessary.

[*Visual and Environmental Studies 41b. Photographic Inquiry: Studio Course]

Catalog Number: 9484 Enrollment: Limited to 12.

Sharon C. Harper

Half course (spring 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.

Note: Expected to be given in 2008–09.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 42a. Introduction to Still Photography: Studio Course - (New Course)**

Catalog Number: 0622 Enrollment: Limited to 10.

Alexander Slade

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.

Ross McElwee and Alfred F. Guzzetti

Full course. M., 1–4, W., 1–5; or Tu., 1–4, Th., 1–5.

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.

Alfred F. Guzzetti (fall term) and Julie M. Mallozzi (spring term)

Half course (fall term; repeated spring term). M., W., 1–4 with 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.

Robb Moss

Half course (fall term). Tu., Th., 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 53a. Fundamentals of Animation: Studio Course**

Catalog Number: 1360 Enrollment: Limited to 10.

Ruth S. Lingford (fall term) and Andreas Hykade (spring term)

Half course (fall term; repeated spring term). Fall: Th., 1–5 with weekly film screenings F., 1–3;

Spring: Tu., 1–5 with weekly film screenings F., 1–3.

An introduction to the possibilities of animation. Using a mixture of traditional and 2D digital tools, students will complete practical exercises which will familiarize them with basic skills and techniques. Screenings and discussions will help develop the specialized thinking needed to understand the discipline.

Note: Drawing skills are optional, though helpful. First meeting for VES 53a in fall term will be held on Tuesday, September 18 from 3–4pm.

***Visual and Environmental Studies 56. From Gesture to Trace: An Introduction to Drawing Movement: Studio Course - (New Course)**

Catalog Number: 0020 Enrollment: Limited to 10.

Simon Pummell

Half course (fall term). W., 1–5 with weekly film screenings F., 1–3.

Students will investigate the recording of movement through the process of drawing. We will explore various strategies for translating gesture, action, and process into drawing, including Renaissance artists' use of expressive and exaggerated anatomy, animation styles of Walt Disney's animators, recording of psychic process in art therapy, and tracing of gesture in the non-representational drawing of abstract expressionism. Investigation, through practical studio sessions will develop an individual approach to drawing and animation.

Note: No previous studio experience necessary. Students are expected to attend weekly animation film screenings.



***Visual and Environmental Studies 58r. Image, Sound, Culture: Studio Course - (New Course)**

Catalog Number: 6680 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (spring term). M., W., 9–12.

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: No previous studio experience necessary.

***Visual and Environmental Studies 64. Live Art in the Video Environment: Studio Course - (New Course)**

Catalog Number: 2679 Enrollment: Limited to 10.

Dean Moss

Half course (fall term). Tu., 1–5:30 with a 2-hour lab to be arranged.

An introduction to multimedia performance art practice. Open to a mix of students with visual, video and/or theatrical backgrounds, the course will focus on practical techniques and strategies for the creation of installations blending video and performance. Students will work collaboratively using their own bodies and media production tools to construct multidisciplinary art projects. Discussion, screenings and visiting lecturers will provide conceptual and historical context for the course.

Note: Basic performance and/or audio/video production skills are useful but not required.

***Visual and Environmental Studies 65. Tactics—Art, Politics and Performance: Studio Course - (New Course)**

Catalog Number: 0143 Enrollment: Limited to 10.

Amie Siegel

Half course (spring term). Tu., Th., 9–12.

What makes a work of art political? Through the creation of individual and collective works, this studio course enacts radical tactics of art and disturbance through workshops on performance, artist collectives, appropriation and cultural critique, from which may spring forth manifestoes, actions, insertions. Participants negotiate their own artistic approaches to the social sphere with a focus on video as 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 71 (formerly 171h). Silent Cinema

Catalog Number: 1971

Lee Grieveson (University College London)

Half course (spring term). Tu., Th., at 12 with a weekly film screening W., 4–6 pm. Weekly sections to be arranged.

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: 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 (formerly 172h). Sound Cinema

Catalog Number: 6997

J. D. Connor

Half course (fall term). Tu., Th., at 12 with a weekly film screening Tu., 9–11 pm. Weekly sections to be arranged. EXAM GROUP: 14

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 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 with 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

Robb Moss (fall term), J. D. Connor (spring term), 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 97r. Tutorial — Sophomore Year**

Catalog Number: 0450

Robb Moss (fall term), J. D. Connor (spring term), 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

Robb Moss (fall term), J. D. Connor (spring term), 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

Robb Moss (fall term), J. D. Connor (spring term), 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 2009–10. This is an introductory art history/criticism class. No previous background necessary.

Visual and Environmental Studies 102k. Word Play: Language as an Art Material - (New Course)

Catalog Number: 8666

Damon Krukowski

Half course (spring term). M., 2–5.

Parallel formal experiments in 20th-century visual art and poetry have entwined their techniques in contemporary practice. This class will employ a cross-disciplinary approach to the use of words in art; students will write through a set of poetic exercises designed to explore language as an art material. Readings examine Duchamp through Cage to contemporary aleatory, conceptual, and process art; and avant-garde movements engaged with both visual art and poetry including Dada, Surrealism, the OULIPO, and Fluxus.

[*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). Hours to be arranged.

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 2008–09. 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 111r. Drawing the Dark Side: Studio Course**

Catalog Number: 4836 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). Tu., 1–5, Tu., 6–7:30 p.m.

A figure drawing class that uses sorrow, tragedy, angst, humor, and boredom for its content-laden themes. The figures will always be in a context. Styles will range from classical to contemporary. Sources for imagery will be from life as well as historical painting and popular culture.

Note: Required final project will be either a graphic novel or a three panel altarpiece. First meeting for this course will take place on Thursday, January 31 at 1pm.

Prerequisite: At least one figure drawing class or portfolio presentation.

***Visual and Environmental Studies 112. Hybrid Drawing: Studio Course - (New Course)**

Catalog Number: 6251 Enrollment: Limited to 12.

Drew Beattie

Half course (fall term). W., 1–4 and 6–8 pm.

A course emphasizing drawings as hybrid fusions of diverse sources, materials, methods, and results. The inseparability of form and content will be continuously discussed in group and individual critiques. Students will pursue the development of their own drawings through assignments aimed at pushing the individual's drawing boundaries out to the farthest, personally credible, visually realized edge. There will be demonstrations of conventional and unconventional materials, and exposure to a variety of contemporary and historical drawings.

Prerequisite: At least one VES studio half-course or permission of the instructor.

***Visual and Environmental Studies 121ar. Painting Investigations: Studio Course - (New Course)**

Catalog Number: 2939 Enrollment: Limited to 10.

Nancy Mitchnick

Half course (fall term). M., 1–5.

The goal of this course is to study, research and develop a painting investigation which results in one large work, or a small body of work. Critique, slide talks, museum visits, individual assignments, discussion and readings will provide the structure.

Note: This course is recommended for Junior concentrators in VES considering a thesis in painting, however, all students with prior experience in painting welcome.



***Visual and Environmental Studies 123r. Post Brush: Studio Course**

Catalog Number: 7463 Enrollment: Limited to 12.

Annette Lemieux

Half course (spring term). Tu., Th., 9–12.

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 127. Painting Faces: Studio Course - (New Course)**

Catalog Number: 6767 Enrollment: Limited to 12.

Nancy Mitchnick

Half course (spring term). M., 1–5 with workshop sessions 6–8 pm when working with models.

This is a portrait painting course that will address the historical subject of decapitation as well as focus on identity issues and how people present themselves in surprising contexts. The sources of imagery will come from life situations as well as art, dreams, imagination, memory and texts. The materials will be acrylic paint on paper and oil paint on stretched canvas.

Prerequisite: At least one half-course in painting or permission of the instructor.

***Visual and Environmental Studies 130br. Sculpture as Analog: Studio Course**

Catalog Number: 8528 Enrollment: Limited to 12.

Helen Mirra

Half course (spring term). M., W., 6–8 pm.

With a general focus on making sculpture, this course explores issues of visuality 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.

Note: This course previously listed as “Building Paragraphs: Nonfiction.” Expected to be omitted in 2008–09.

Prerequisite: At least one VES half-course or permission of the instructor.

***Visual and Environmental Studies 133. Sculpture—Making Space: Studio Course - (New Course)**

Catalog Number: 6259 Enrollment: Limited to 12.

Helen Mirra

Half course (fall term). Tu., 6–9 pm with 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 omitted in 2008–09.

Prerequisite: At least one VES half-course or 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 (fall term). Hours to be arranged.



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 2008–09.

Prerequisite: At least one half-course in photography or permission of the instructor.

***Visual and Environmental Studies 147r. The Constructed Image—Art Between Architecture, Landscape and Photography: Studio Course**

Catalog Number: 2011 Enrollment: Limited to 10.

Miles Coolidge (University of California, Irvine)

Half course (spring term). M., W., 9–12.

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.

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.

Jacqueline Hassink

Half course (spring term). W., 1–4, Tu., 6–9 p.m.

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.

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 to 12.

Lodge Kerrigan

Half course (fall term). M., W., 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 to 12.



Lodge Kerrigan

Half course (spring term). M., W., 1–4.

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.

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—Visualizing Myth and Fairy Tale: Studio Course**

Catalog Number: 5211 Enrollment: Limited to 10.

Simon Pummell

Half course (fall term). Tu., 1–5 with weekly film screenings F., 1–3.

Each student will design and produce a single short animation project based on a literary, mythic, or folkloric source of their choice, transforming the original as radically as they wish. We will explore the possibilities and problems of re-inventing powerful original source material by screening and discussing a number of very different re-inventions of *Alice in Wonderland* and *Snow White*, suggesting conceptual tools you can employ in the creation of your individual project work.

Prerequisite: At least one VES half-course in animation or permission of the instructor.

[*Visual and Environmental Studies 153br. Intermediate Animation Workshop: Studio Course]

Catalog Number: 3477 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). Th., 1–5 with weekly film screenings F., 1–3.

This class offers a chance to extend and deepen skills and understanding of animation and to make a more substantial piece of work. In this course, students plan and produce a single animation project. Additional exercises encourage students to challenge themselves and explore a range of creative possibilities, as well as developing the skills necessary to structure and complete a narrative or non-narrative film.

Note: Expected to be given in 2008–09.

Prerequisite: At least one VES half-course in animation or permission of the instructor.

***Visual and Environmental Studies 154br. Intermediate Animation Workshop: Studio Course - (New Course)**

Catalog Number: 1484 Enrollment: Limited to 10.



Andreas Hykade

Half course (spring term). W., 1–5 with weekly film screenings F., 1–3.

Working individually or in pairs and groups, students plan and produce a single animation project. Students are encouraged to challenge themselves and explore a range of creative possibilities, as well as developing the skills necessary to structure a narrative or non-narrative film. In screenings, discussions, practical workshops, and individual tutorials, students learn about the basics of animation from idea to finished film.

Prerequisite: At least one VES half-course in animation or a related subject, or permission of the instructor.

***Visual and Environmental Studies 156r. Animating to a Soundtrack - (New Course)**

Catalog Number: 3340 Enrollment: Limited to 10.

Ruth S. Lingford

Half course (spring term). Th., 1–5 with 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.

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 - (New Course)**

Catalog Number: 9385 Enrollment: Limited to 10.

Lucien G. Castaing-Taylor

Half course (fall term). M., W., 9–12.

Students produce a substantial work of ethnographically informed nonfiction using video or sound. 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 159k. Screenwriting Workshop - (New Course)**

Catalog Number: 7231 Enrollment: Limited to 8.

Lodge Kerrigan

Half course (fall term). Tu., 4–6:30.

Workshop will focus on developing and completing an existing, work-in-progress, screenplay for a short narrative fiction film. Class will be centered on analysis and discussion of students' scripts. Short visual exercises (still photography and/or video) and screenings will augment written work.

Note: Students seeking to enroll should come to the first class meeting with a work-in-progress screenplay. Interview with instructor is required for admission. Preference given to VES concentrators who are working in fiction film.

***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.

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 165. Moving Image—Installation, Production and Spectacle: Studio Course - (New Course)**

Catalog Number: 8258 Enrollment: Limited to 10.

Amie Siegel

Half course (spring term). Tu., Th., 1–4.

Where are the boundaries between art gallery and film set, theatrical stage or production studio (or apartment, carnival or disco)? All have been appropriated and/or re-staged in installations by contemporary artists. Through the creation of our own works, we will explore shifting strategies using cinema, performance and photography as material or metaphor in art. We will consider moving image formats as cultural signifiers (super-8, 16mm, cinemascope, surveillance), and 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: 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 (fall term). Hours to be arranged.

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 2008–09.

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 2008–09.

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 2008–09.

Visual and Environmental Studies 176n. Facing Reality: A History of Documentary Cinema - (New Course)

Catalog Number: 4394

Scott MacDonald (Hamilton College)

Half course (fall term). Tu., 4–6 with weekly film screenings Tu., 7–10 pm.

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.

Visual and Environmental Studies 177e. Critical Cinema: A History of Experimental and Avant-Garde Cinema - (New Course)

Catalog Number: 0898

Scott MacDonald (Hamilton College)

Half course (fall term). W., 4–6 with weekly film screenings W., 7–10 pm.

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.

Visual and Environmental Studies 180. Film, Modernity and Visual Culture

Catalog Number: 2874

Giuliana Bruno

Half course (fall term). Th., 10–11:30 with a weekly film screening W., 7–9 pm. Weekly sections 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: 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., 10–11:30 with a weekly film screening W., 7–9 pm. Weekly



sections to be arranged.

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). Hours to be arranged.

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 2008–09. 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). Hours to be arranged.

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: Expected to be given in 2008–09. 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.

***Visual and Environmental Studies 185x. Visual Fabrics: Film, Fashion and Material Culture: Seminar**

Catalog Number: 1575 Enrollment: Limited to 12.

Giuliana Bruno

Half course (spring term). W., 2–4 with 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 186g. Law, Order, Cinema - (New Course)

Catalog Number: 9502

Lee Grieveson (University College London)

Half course (spring term). Th., 3–5.

Examines the myriad connections between cinema and “government”—understood broadly as activities aiming to shape, guide or affect the conduct of people—in the US in the first half of the 20th century. Focuses on three principal avenues of analysis, examining cinema’s regulation and the shaping of its place in the public sphere, the filmic articulation of aspects of governance (in crime cycles, for example), and the ways cinema was used by governmental groups.

[Visual and Environmental Studies 187x. From Postwar to Postwall German Cinema]

Catalog Number: 1196

Eric Rentschler

Half course (fall term). Hours to be arranged.

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, Schlöndorff, 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 2008–09. 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.

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 with 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: First meeting for this course will take place at 4pm on Tuesday, Feb. 5.

Visual and Environmental Studies 190f. Contemporary French Cinema

Catalog Number: 7722

Dominique Bluher

Half course (fall term). M., 2–4 with a weekly film screening 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: No knowledge of French required; readings, films and discussions in English. No background in film studies necessary.

Visual and Environmental Studies 194w. World Cinema Today - (New Course)

Catalog Number: 4865

Dominique Bluher

Half course (spring term). Th., 1–3 with a weekly film screening to be arranged. EXAM GROUP: 15, 16

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: No background in film studies necessary.

[Visual and Environmental Studies 195. The Contemporary Hollywood Cinema]

Catalog Number: 5982

J. D. Connor

Half course (spring term). Hours to be arranged.

After surveying the landscape of dead Hollywood (the early sixties), the course examines several potential industrial saviors—auteurism, blaxploitation, pornography, allegory, television, the blockbuster, agents, studios, videotape, the international market—and concludes with a look at the reintegrated mediascape of the present.

Note: Expected to be given in 2008–09.

Related Courses of Interest for VES Concentrators

[Chinese Literature 130. Screening Modern China: Chinese Film and Culture]

Dramatic Arts 30. Design for the Theatre: History and Practice

[*Dramatic Arts 31. Designing for the Stage]

***English Clr. Introduction to Screenwriting**

English 168x. New Frontiers: American Cultures and Countercultures of the 1960s

[Foreign Cultures 21. Cinéma et culture française, de 1896 à nos jours]

Foreign Cultures 76. Nazi Cinema: Fantasy Production in the Third Reich

***Freshman Seminar 35i. Drawing the Body - (New Course)**

***Freshman Seminar 36m. Noisy Art**

***Freshman Seminar 39l. Art in Multiple Dimensions - (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 - (New Course)**

***History of Art and Architecture 173y. Difference from Within: Contemporary Women Artists**

***History of Art and Architecture 196. Contemporary Art in Africa**

Literature and Arts B-11. The Art of Film



[Literature and Arts B-20. Designing the American City: Civic Aspirations and Urban Form]

[Literature and Arts B-24. Constructing Reality: Photography as Fact and Fiction](#)

[Literature and Arts B-49. Modernisms 1865–1968]

[Literature and Arts C-55. Surrealism: Avant-Garde Art and Politics between the Wars]

[Studies of Women, Gender, and Sexuality 1133. Gender and Performance](#)

[Studies of Women, Gender, and Sexuality 1222. Literature, Art, Cinema and Queerness]

Primarily for Graduates

[*Visual and Environmental Studies 270. Proseminar in Film and Visual Studies: History](#)

Catalog Number: 1741

Eric Rentschler

Half course (spring term). W., 2–4 with a weekly film screening M., 1–3.

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 288. Dziga Vertov and His Time: Left-Wing Art, Avant-Garde Filmmaking, Radical Politics - \(New Course\)](#)

Catalog Number: 1816

Yuri Tsivian (University of Chicago)

Half course (spring term). Tu., 3–5 with a weekly film screening M., 7–9 pm.

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: All readings in English. Open to qualified undergraduates with the permission of the instructor.

[*Visual and Environmental Studies 292r. Philosophy and Film](#)

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.

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 - (New Course)**

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 - (New Course)**

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 2835r. Sensory Ethnography I](#)

[*Anthropology 2836r. Sensory Ethnography II: Studio Course](#)

[*Anthropology 2845. Media Anthropology Theory](#)

[Chinese Literature 225. Visual Evidence]

[*Comparative Literature 257. Trauma, Memory, and Creativity]

[French 255. Metamorphoses of the Vampire]

[German 244. Readings in German Film Theory]

[*History of Art and Architecture 278x. Chance in Photography](#)

[*History of Art and Architecture 279m. Media/Art]

[Italian 260. Up to Speed: Italian Fiction and Cinema, 1990–2005]

[Portuguese 251. Culture in Turmoil: Brazil in the 60s and 70s]

[Slavic 281. Literature, Film, and Visual Arts in Russia, 1920-1930]

Women, Gender, and Sexuality



AN HISTORICAL EDITON 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*)

Janet Beizer, Professor of Romance Languages and Literatures

Robin M. Bernstein, Assistant Professor of Studies of Women, Gender, and Sexuality and of History and Literature

Peter J. Burgard, Professor of German

Steven C. Caton, Professor of Contemporary Arab Studies

Nancy F. Cott, Jonathan Trumbull Professor of American History

Karen P. Flood, Lecturer on Studies of Women, Gender, and Sexuality (*Acting Director of Studies*)

Rachel L. Greenblatt, Assistant Professor of Near Eastern Languages and Civilizations

Evelynn M. Hammonds, Professor of the History of Science and of African and African American Studies

Helen Hardacre, Reischauer Institute Professor of Japanese Religions and Society (*on leave fall term*)

Alice Jardine, Professor of Romance Languages and Literatures and of Studies of Women, Gender, and Sexuality

Matthew Kaiser, Assistant Professor of English (*on leave fall term*)

Christie McDonald, Smith Professor of French Language and Literature and Professor of Comparative Literature

Afsaneh Najmabadi, Professor of History and of Studies of Women, Gender, and Sexuality

Katharine Park, Samuel Zemurray, Jr. and Doris Zemurray Stone Radcliffe Professor of the History of Science (*on leave 2007-08*)

Mary M. Steedly, Professor of Anthropology

Judith Surkis, Associate Professor of History and of History and Literature (*on leave spring term*)

Laurel Thatcher Ulrich, 300th Anniversary University Professor (*on leave spring term*)

Adelheid Voskuhl, Assistant Professor of the History of Science

Affiliated Members

Leila N. Ahmed, Victor S. Thomas Professor of Divinity (*Divinity School*)

Arachu Castro, Assistant Professor of Social Medicine (*Medical School*)

Verena A. Conley, Visiting Professor of Comparative Literature and of Romance Languages and Literatures

Janet E. Halley, Professor of Law (*Law School*)

Amy Hollywood, Elizabeth H. Monrad Professor of Christian Studies (*Divinity School*)

Wendy L. Luttrell, Nancy Pforzheimer Aronson Associate Professor in Human Development and Education (*Education School*)

Uta G. Poiger, Visiting Associate Professor of History and of History and Literature (*University of Washington*)

Mary Ruggie, Adjunct Professor of Public Policy (*Kennedy School*) (*fall term only*)



Other Faculty Offering Instruction in Studies of Women, Gender, and Sexuality

Paula J. Caplan, Lecturer on Studies of Women, Gender, and Sexuality
Deborah J. Cohan, Lecturer on Studies of Women, Gender, and Sexuality
Janet R. Jakobsen, Visiting Professor of Studies of Women, Gender, and Sexuality (*Barnard College*)
Laurie A. Nsiah-Jefferson, Lecturer on Studies of Women, Gender, and Sexuality
Linda Schlossberg, Lecturer on Studies of Women, Gender, and Sexuality (*Assistant Director of Studies*)
Katherine Stanton, Lecturer on Studies of Women, Gender, and Sexuality

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 97. Tutorial-Sophomore Year: Dreams of a Common Language: Feminist Conversations Across Differences**

Catalog Number: 7217 Enrollment: Limited to concentrators.
Robin M. Bernstein
Half course (spring term). Th., 3–5. EXAM GROUP: 17, 18
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). Spring: Tu., 2–4.
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). F., 1–3.
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 (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 1000gm. Introduction to WGS: The Gender Mystique: An Interdisciplinary Introduction to Fifty Years of Studies on Women, Gender, and Sexuality

Catalog Number: 9620

Alice Jardine

Half course (fall term). Tu., Th., at 12 and a one hour section to be arranged. EXAM GROUP: 14

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.

Studies of Women, Gender, and Sexuality 1122. The Romance: From Jane Austen to Chick Lit

Catalog Number: 8181

Linda Schlossberg

Half course (fall 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.

Studies of Women, Gender, and Sexuality 1123. Women and Work in the US, 19th Century to the Present - (New Course)

Catalog Number: 9575

Karen P. Flood

Half course (spring term). W., 1–3 and a one hour section to be arranged. EXAM GROUP: 6, 7

This course examines patterns of American women's labor from the nineteenth century to today, with a focus on debates over the definition of "work" or "women's work" over time. Attention paid to divergent experiences of labor (and labor exploitation) according to race, class, ethnicity, and immigrant status. Emphasis placed on the analysis of primary sources (including archival material, literary texts, and photography) to recover women's experiences of work and representations of female labor.



Studies of Women, Gender, and Sexuality 1125. Gender and Health

Catalog Number: 4563

Mary Ruggie (Kennedy School)

Half course (spring term). M., W., at 1 and a one hour section to be arranged. EXAM GROUP: 6

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 1133. Gender and Performance

Catalog Number: 8829

Robin M. Bernstein

Half course (fall term). Tu., Th., at 3 and a one hour section to be arranged. EXAM GROUP: 17

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 off-stage--construct and deconstruct power? Topics include transgressive and normative performances, athletics, feminist and queer theatre, gender in everyday life, drag, Playboy, and weddings. Texts include Tony Kushner, Judith Butler, Anna Deavere Smith, Cherrie Moraga, Eve Ensler, Bertolt Brecht, Guillermo Gómez-Peña, Coco Fusco, and Ntozake Shange.

Studies of Women, Gender, and Sexuality 1136. Food, Culture, and Gender - (New Course)

Catalog Number: 1391

Linda Schlossberg

Half course (spring term). M., W., at 12 and a one hour section to be arranged. EXAM GROUP: 5

Examines the relationship between gender and hunger from historical, socioeconomic, and literary perspectives. Topics to include eating disorders and body image issues; poverty and malnutrition; domesticity; hunger strikes and fasting; ritual and etiquette; and hunger as metaphor.

[Studies of Women, Gender, and Sexuality 1154. I Like Ike, But I Love Lucy: Women, Popular Culture, and the 1950s]

Catalog Number: 6855

Alice Jardine

Half course (fall term). Hours to be arranged.

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: Expected to be given in 2008–09.

Studies of Women, Gender, and Sexuality 1161. The Psychology of Girls and Women Over the Life Span - (New Course)



Catalog Number: 8325

Paula J. Caplan

Half course (spring term). W., 3–5. EXAM GROUP: 8, 9

Examination of traditional theories about the development of human females from the beginning to the end of life, and contrasting of these with newer perspectives, primarily feminist relational theories.

Studies of Women, Gender, and Sexuality 1165. Intimacy and Violence - (New Course)

Catalog Number: 9248

Deborah J. Cohan

Half course (fall term). M., 2–4 and a one hour section to be arranged. EXAM GROUP: 7, 8

This course addresses the problem of violence in intimate relationships from a sociological and feminist perspective. Activist-inspired and community-connected. Close attention paid to the way in which violence against women constitutes a specific form of structured gender inequality. Special emphasis on the intersections of gender, race, class, and sexuality in the experience and representation of intimate violence. Topics include domestic violence, rape, incest, and pornography. Causes, consequences, and patterns will be examined.

Studies of Women, Gender, and Sexuality 1175. Theorizing Activism, Or How to Change the World - (New Course)

Catalog Number: 4954

Janet R. Jakobsen (Barnard College)

Half course (spring term). Tu., Th., at 1 and a one hour section to be arranged. EXAM GROUP: 15

What is the state of activism today? What visions of social transformation are available for tomorrow? These questions will be addressed in the context of genealogies of social movement, especially the theoretical perspectives built in and through activist practice and upon which activism draws. In addition to feminist, queer, anti-racist, and anti-colonial organizing, the course will explore the various contemporary movements working on questions of globalization, including those arrayed around the World Social Forum.

Studies of Women, Gender, and Sexuality 1200fh. Our Mothers, Ourselves: A Brief History of Postwar American Feminist Thought - (New Course)

Catalog Number: 3042 Enrollment: Limited to 35.

Alice Jardine

Half course (spring term). Tu., Th., at 12. EXAM GROUP: 14

At once assumed as givens and reviled as aberrations, the classics of American postwar, mainstream feminist thought are rarely re-read. In this seminar, we will read critically across four decades of influential feminist texts, keeping constantly in view the philosophical and political, psychological and historical, legal and ethical questions at the heart of women, gender, and sexuality studies today.

[Studies of Women, Gender, and Sexuality 1200sh. From Queer to Queer: Histories of Same Sex Love and Eroticism in the United States] - (New Course)

Catalog Number: 7133

Robin M. Bernstein



Half course (fall term). Hours to be arranged.

To be announced.

Note: Expected to be given in 2009–10.

[Studies of Women, Gender, and Sexuality 1210ft (formerly Studies of Women, Gender, and Sexuality 1001). Feminist Theory]

Catalog Number: 5590 Enrollment: Limited to 15.

Half course (fall term). Hours to be arranged.

Please contact WGS main office for course information.

Note: Expected to be given in 2008–09.

Studies of Women, Gender, and Sexuality 1210qt (formerly Studies of Women, Gender, and Sexuality 1003). Queer Theory - (New Course)

Catalog Number: 9232 Enrollment: Limited to 15.

Bradley S. Epps

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

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 1222. Literature, Art, Cinema and Queerness]

Catalog Number: 2628 Enrollment: Limited to 25.

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Examines the ties and tensions between so-called non-normative sexual identities and expressions and literature, film, and the visual arts. Draws on works from an array of countries in the modern period and includes select theoretical, critical, and historical readings. Topics include decadence and experimentation; oppression and resistance; desire, duty, and disease; silence and expression; normalization and radicalism, and the intersections of race, class, language, and nationality.

Note: Expected to be given in 2008–09.

[Studies of Women, Gender, and Sexuality 1226. Sex and Power in Modern Latin America and U.S. Latino Culture] - (New Course)

Catalog Number: 6527

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Focuses on 20th-century narrative fiction, testimony, and film by women from a variety of linguistic cultures (French, Spanish, Creole, Maya-Quiché, English, Portuguese), paying special attention to the ties and tensions between feminism and post-colonialism. Other topics include gender and genre; sexuality and the state; social engagement and artistic autonomy; nationality, nationalism, and internationalism; class conflict and the global market; family formations and



kinship; ritual and religion; lesbianism, heterosexuality, and bisexuality; authoritarianism and democracy.

Note: Expected to be given in 2008–09.

[Studies of Women, Gender, and Sexuality 1230. Cinema and Alternative Sexualities] - (New Course)

Catalog Number: 4945

Bradley S. Epps

Half course (fall term). Hours to be arranged.

Note: Expected to be given in 2008–09.

Studies of Women, Gender, and Sexuality 1232. Postcolonial Women's Writing - (New Course)

Catalog Number: 8406 Enrollment: Limited to 15.

Katherine Stanton

Half course (fall term). Th., 2–4. EXAM GROUP: 16, 17

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 1240. Intersections of Identity in African American Communities: Theory and Practice - (New Course)

Catalog Number: 3484 Enrollment: Limited to 15.

Laurie A. Nsiah-Jefferson

Half course (fall term). W., 1–3. EXAM GROUP: 6, 7

Familiarizes students with theories addressing the intersections of race, gender, and class, and focuses specifically on the application of these theories for social policy and research on African American communities. Critical race feminism, womanism, and the Sojourner Syndrome, among other theories, are highlighted, and particular attention is paid to the implications of these models for studying issues such as racial discrimination, health disparities, reproductive health, and welfare reform.

***Studies of Women, Gender, and Sexuality 1255. Myths of Motherhood: Seminar Course - (New Course)**

Catalog Number: 9174

Paula J. Caplan

Half course (fall term). W., 3–5. EXAM GROUP: 8, 9

Investigation of the social construction of motherhood in the US; cross-cultural and subcultural variations in expectations of and attitudes toward mothers, especially mothers who often are marginalized (lesbian, teenage, poor, homeless, adoptive, Black, Native American, Hispanic, noncustodial); and research on mother-blame and other aspects of motherhood, including emotional adjustment of children of various kinds and categories of mothers. This is



multidisciplinary, because it includes material from psychology, sociology, anthropology, biology, and literature.

Studies of Women, Gender, and Sexuality 1300 (formerly Studies of Women, Gender, and Sexuality 1002). Approaches to Research and Writing in WGS

Catalog Number: 4429 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (fall term). Tu., 2–4. EXAM GROUP: 16, 17

An analysis of the production of knowledge and research methodologies across a variety of interdisciplinary topics in WGS. Specific research and writing requirements in the humanities, social sciences, and sciences are addressed as interdisciplinary questions are explored. The course is designed to deepen students' thinking about their research questions, their roles and responsibilities as researchers, feminist epistemologies and the challenges of representation in the writing process.

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 1402. Body Sculpting in Modern America]

Catalog Number: 4685 Enrollment: Limited to 15.

Karen P. Flood

Half course (fall term). Hours to be arranged.

The last century has witnessed a proliferation of procedures and products to alter or "sculpt" one's body. This course analyzes this phenomenon by focusing on fitness movements and body-building, dieting and eating disorders, surgical interventions, and surface alterations such as tattooing in late nineteenth and twentieth-century America. We will explore the ideas of self-making contained in these practices, and we will examine the race and gender politics of these bodily modifications in different eras.

Note: Expected to be given in 2008–09.

[Studies of Women, Gender, and Sexuality 1403 (formerly Women's Studies 163). Nations, Genders, and Sexualities in Comparative Perspective]

Catalog Number: 4054 Enrollment: Limited to 15.

Afsaneh Najmabadi

Half course (spring term). Hours to be arranged.

This seminar begins by considering several classical texts on modern nation- and state-formations, and their intersection with issues of gender and sexuality, including works by Anderson, Moss, and Foucault. We then study feminist, queer, and post-colonial critiques of these ideas using specific historical and anthropological works on the Middle East, South Asia and East Asia. Focuses on the formation of modern subjectivities in the context of reconfigurations of sex, gender, and nationality.

Note: Expected to be given in 2008–09.

[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 2008–09.

***Studies of Women, Gender, and Sexuality 1409. Transsexuality, Transgenderism, and the Rest - (New Course)**

Catalog Number: 3822

Afsaneh Najmabadi

Half course (spring term). Th., 4–7 p.m. EXAM GROUP: 18

This course will cover narrative, anthropological, historical, and theoretical texts (including films) about transsexuality and transgenderism. We begin with transsexuality before and beyond identity politics and its transformation in the light/shadow of identity politics and theories of gender. While the course will remain located in the Americas and Europe, we will consider how trans-subjectivities produced in other socio-cultural formations inform histories and politics of transsexuality and transgenderism in so-called Western contexts.

Note: Please see syllabus for prerequisite reading. Permission of instructor required.

Studies of Women, Gender, and Sexuality 1456. Ethics and Social Policy - (New Course)

Catalog Number: 3499 Enrollment: Limited to 15.

Janet R. Jakobsen (Barnard College)

Half course (spring term). Tu., 3–5. EXAM GROUP: 17, 18

Why are gender and sexuality in all of their manifestations such contentious issues for public policy? And yet, why are gender and sex so rarely treated as relevant to the "real" issues of the day, including war, economics, or immigration? This advanced seminar considers the contributions of feminist and queer ethics to a range of contemporary social issues. Students will do intensive work developing ethical positions and researching an issue of their choosing

Of Primary Interest

Courses in the studies of women, gender, and sexuality offered by other departments are cross-listed below. Those listed first focus centrally on the study of women and/or gender. Courses listed as "Of Related Interest" devote at least one specific segment to such questions. Many of the courses may be taken for graduate credit. Courses numbered in the 200s are primarily for graduate students. 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.

[Celtic 113. Gaelic Women's Poetry]

[Celtic 166. The Folklore of Women]

Classical Studies 152. Gender and Sexuality in Ancient Greece - (New Course)

French 70b. Introduction to French Literature II: Representations of Change From the Romantics to the Present



[French 136. Feminist Literary Criticisms]

[French 156. Houses of Fiction: Zola - \(New Course\)](#)

[French 175. Julia Kristeva: Can Literature Still Change the World?](#)

[French 256. Sand, Colette, and the Mothers of Invention](#)

[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 (formerly History 1692). Men and Women in Public and Private: the US in the 20th Century]

[History 1427. Women's Voices in Medieval and Early Modern Europe - \(New Course\)](#)

[*History 1459. Gender and Sexuality in Modern Europe: Research Seminar]

[History 1497. Women, Gender, and Sexuality in Modern Europe - \(New Course\)](#)

[*History 1669. Gender in US History: Reading Seminar - \(New Course\)](#)

[History 2912. What is History? Concepts, Practices, Critique: Seminar]

[History 2920. Readings in Gender History: Seminar - \(New Course\)](#)

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

[*History of Art and Architecture 173m. The Early Modern Artist]

[History of Art and Architecture 174s. Body Image in French Visual Culture: 18th and 19th Century](#)

[*History of Art and Architecture 271x. The Origins of Modernity: The “New” 18th Century]

[Human Evolutionary Biology 1380 (formerly Anthropology 1380). The Behavioral Biology of Women]

[Jewish Studies 142. Gender Roles and the Role of Gender: Jewish Society in Medieval and Early Modern Europe]

[Literature and Arts C-65. Repression and Expression: Literature and Art in *Fin-de-siècle* Germany and Austria]

[Spanish 184. Building the Latin American Metropolis](#)

Of Related Interest

[African and African American Studies 118. African American History from the Slave Trade to 1900](#)

[Foreign Cultures 60. Individual, Community, and Nation in Vietnam](#)

[French 48b. Contemporary French Society](#)

[French 132a. 20th-Century French Fiction I: The Realist Mode](#)

[Historical Study B-35. The French Revolution: Causes, Processes, and Consequences]

[Historical Study B-40. Pursuits of Happiness: Ordinary Lives in Revolutionary America]

[History of Art and Architecture 70. Introduction to Modern Art and Visual Culture, 1700–1990s]

[Literature and Arts A-16. Lives Ruined by Literature: The Theme of Reading in the Novel]

[Literature and Arts C-14. Concepts of the Hero in Greek Civilization](#)

[Moral Reasoning 22. Justice](#)

[Portuguese 44 \(formerly Portuguese 38\). Images of Brazil: Contemporary Brazilian](#)



Cinema

[Religion 1725. Buddhism and Social Change: Seminar]

Spanish 48. Lengua y composición avanzadas: Perspectivas sobre México

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 185x. Visual Fabrics: Film, Fashion and Material**

Culture: Seminar